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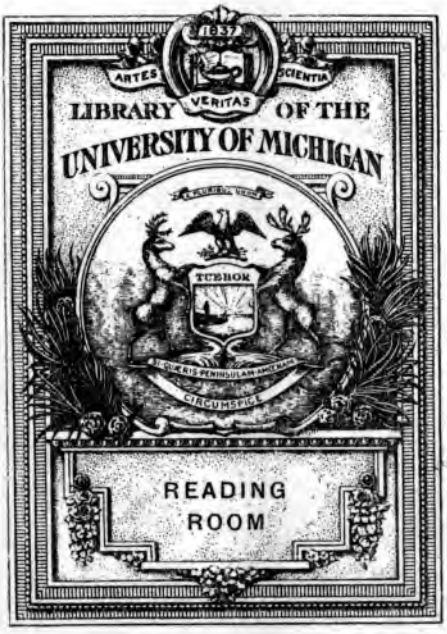
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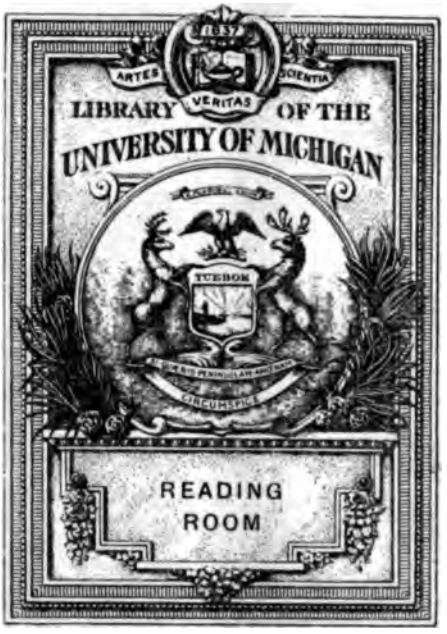
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STATEMENT

This is the second issue of Rus. The first volume was published in November, 1918. For that issue, 7061 persons or names were solicited for inclusion, and 2746 responded and were entered in the volume. For the present issue, 10,656 names have been solicited; about one-third have responded directly. A greater number has indirectly responded, however, and is included in this volume, for all persons entered in the former edition were informed that unless we heard from them to the contrary we should assume the entry to be correct and should reprint it as it stands; not having heard from them after two requests in the form of first-class mail we conclude that we have their assent, equivalent to a direct reply. In certain cases, however, we have felt obliged to omit an entry when learning from other sources that the party has removed to an address unknown to us; persons who have definitely left the country-life field are also omitted; others have passed away: nearly 200 entries of the first issue have thus been omitted from the present book.

The total names in this issue are 4,631, or above two-fifths the number that the Editorial Office desired should be returned. This proportion, in the second edition of the book, is not considered to be satisfactory; and as the subscriptions for the volume are not more than for the first issue we suppose that the constituency is not sufficiently interested in a who's-who of its field to warrant the continuance of the enterprise.

It has been a specially difficult time for the making of a new volume because of overcrowding in printing establishments, the practical inability of securing material of desired quality, and the very high prices everywhere. It has seemed best, however, to put out the second issue now, that the shifts due to the War may be recorded as well as to make a completer accounting of the field. The Editor is under special obligation to the many persons who have given so liberally of time and advice for the improvement of the book.

As to the scope of the book, we cannot do better than to quote from the preface to the first edition: "In general, it has been the desire to compile compact information about those persons who are now contributing through their achievements to the betterment and advancement of country life. In many cases the decision as to the entry of certain names has been somewhat arbitrary, inasmuch as the persons are only incidentally or secondarily connected with rural subjects. It has been the aim to include those persons who are regularly and prominently engaged in rural work as farmers, teachers, investigators, business men, ministers, lecturers, farm agents, authors, editors, rural organizers, administrators, if their efforts are of such a nature as to make them public characters. The volume is designed to be only a compilation of information, not of biographies or recognitions of merit. . . . . By the word 'farmer' is meant all those who till the soil for a livelihood, as general

farmers, fruit-growers, floriculturists, stock-raisers, poultrymen, bee-keepers, and others.

"It has been the intention to include all officers in the college of agriculture, above the grade of Instructor, whose titles indicate that they are engaged in agricultural or rural work, whether these colleges are separate institutions or connected with universities. The grade of Instructor has been omitted because the incumbencies are usually only temporary and variable in character. . . . . In the United States Department of Agriculture and the experiment stations the entries are of those corresponding in rank, as closely as possible, to grades above Instructor in the colleges of agriculture; and for the Department the same theory of inclusion applies as for the Colleges."

All agricultural and home demonstration agents having charge of counties or larger units are eligible in this edition, but not assistants or temporary agents or county club leaders. Special effort has been made in this edition to get the entries of farmers who are known as leaders of men, but the result is yet far short of our expectations.

It will be seen that the book is not a directory of farmers. Nor is it a directory of entomologists, botanists, foresters, landscape architects, and other specialists except so far as these persons may be expending themselves directly in the interest of agriculture and country life. Persons are not admitted because of their excellence, as Rus exercises no censorship, but only because they are leaders or mentors in a rather broad sense, having at least a state-wide reputation or application.

In this issue will be found other reference information aside from the write-ups of persons, as lists of societies, departments, institutions, and of the agricultural press. It was the intention to insert certain compiled indexes to the entries, but this has seemed to be inadvisable under the circumstances.

Former subscribers should keep the copy of the first issue. They will want both volumes, showing the changes in the personnel of the field. Persons deceased and those not now associated with rural interests, will be found only in the preceding issue. A complete set will be prized as time goes on.

The consultant will recognize the title of the book in the Latin word *rus*, meaning "the country", whence we have the words rural, rustic, and their dependents. The book is not concerned with the poetic idea of *rus in urbe*, "the country in the city" nor yet with *urbs in rure*, "the city in the country", but rather with *rus in rure*, "the country in the country". It is part of the accumulating acknowledgement and inventory of the rural side of our civilization.

L. H. Bailey

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PRINCIPAL ABBREVIATIONS

A. A. A. S. . . American Association for the Advancement of Science.
A.B., B.A. . . . . Bachelor of Arts
Acad. . . . . Academy
adj. . . . . adjunct
Admins. . . . administration, administrator
adv. . . . . advisor, advisory
A.E. . . . . Agricultural Engineer
A.E.F. . . . American Expeditionary Forces
agr. . . . . agriculture
agrl. . . . . agricultural
agron. . . . . agronomy, agronomist
agrst. . . . . agriculturist
agt. . . . . agent
Ala. . . . . Alabama
Alta. . . . . Alberta
A.M., M.A. . . . . Master of Arts
A. & M. . . . . Agricultural and Mechanical (College)
Amer. . . . . American
an. . . . . animal
anat. . . . . anatomy
arch. . . . . architecture, architect
Ariz. . . . . Arizona
Ark. . . . . Arkansas
art. . . . . artillery
assoc. . . . . associate, association
asst. . . . . assistant
auth. . . . . author

b. . . . . born
B.A. . . . . Bachelor of Arts
bact. . . . . bacteriology, bacteriologist
B.Agr. . . . . Bachelor of Agriculture
B.Arch. . . . . Bachelor of Architecture
B.A.Sc. . . Bachelor Science of Agriculture
B. C. . . . . British Columbia
bd. . . . . board
B.D. . . . . Bachelor of Divinity
B.Di. . . . . Bachelor of Didactics
B.Ed. . . . . Bachelor of Education
biochem. . . . . biochemist, biochemistry
biol. . . . . biology, biologist, biological
B.L. . . . . Bachelor of Laws
bldg. . . . . building
B.Litt. . . . . Bachelor of Literature
B.L.S. . . . . Bachelor of Library Science
bot. . . . . botany, botanist, botanical
B.Pd. or B.Ped. . . . Bachelor of Pedagogy
B.Ph. . . . . Bachelor of Philosophy
brev. . . . . brevet
B.S. or B.Sc. . . . . Bachelor of Science
B.S.A. Bachelor of Science of Agriculture
bur. . . . . bureau

c. . . . . child, children
Calif. . . . . California
Capt. . . . . Captain
C.E. . . . . Civil Engineer
chem. . . . . chemist, chemistry, chemical
chg. . . . . charge
chm. . . . . chairman
co. . . . . county, company
col. . . . . colored
coll. . . . . college
Colo. . . . . Colorado
com. . . . . committee
comn. . . . . commission
comnr. . . . . commissioner
comp. . . . . comparative
Conn. . . . . Connecticut
coop. . . . . cooperative, cooperation

d. daughter, died (used only in parantheses)
D.C.L. . . . . Doctor of Civil Law
D.D. . . . . Doctor of Divinity
del. . . . . delegate
Del. . . . . Delaware
dem. . . demonstration, demonstrator, democratic
dept. . . . . department
dir. . . . . director
distr. . . . . district
div. . . . . division
dom. . . . . domestic
Dr.P.H. . . . . Doctor of Public Health
D.S., D.Sc. . . . . Doctor of Science
D.V.M. . . Doctor of Veterinary Medicine

econ. . . . . economics, economy, economist
ed. . . . . editor
educ. . . . . education
E.E. . . . . Electrical Engineer
engin. . . . . engineering, engineer
ent. . . entomology, entomologist, entomological
exec. . . . . executive
exp. . . . . experiment
exped. . . . . expedition
expl. . . . . experimental
Expos. . . . . Exposition
ext. . . . . extension

F. E. ..... Forest Engineer
fed. ..... federal, federation
fert. ..... fertility, fertilizer
Fla. ..... Florida
flor. ..... floriculture
for. ..... forestry, forester, forest
F.R.C.V.S. .... Fellow Royal College of Veterinary Surgeons

Ga. ..... Georgia
gard. ..... gardening, garden
geol. ..... geology, geological
govt. ..... government
grad. ..... graduate

H. I. ..... Hawaiian Islands
hist. ..... history
hon. ..... honorary
hort. .. horticultural, horticulturist, horticulture
husb. ..... husbandry

Ia. ..... Iowa
Ida. ..... Idaho
Ill. ..... Illinois
inc. ..... incorporated
ind. ..... industry, industrial
Ind. ..... Indiana
Inf. ..... Infantry
insp. ..... inspection, inspector
inst. ..... institute
instr. ..... instructor
intern. ..... international
invest. ..... investigation, investigator
irrig. ..... irrigation
Isls. ..... Islands

Kans. ..... Kansas
Ky. ..... Kentucky

La. ..... Louisiana
lab. ..... laboratory
lands. ..... landscape
L.B. ..... Bachelor of Laws
lect. ..... lecturer
L.H.D. ..... Doctor of Letters
L. I. ..... Long Island
Lieut. ..... Lieutenant
Litt.D. ..... Doctor of Literature
LL.B. ..... Bachelor of Laws
LL.D. ..... Doctor of Laws
LL.M. ..... Master of Laws

m. ..... married
M.A. ..... Master of Arts
M.Agr. ..... Master of Agriculture
Man. ..... Manitoba
manag. ..... manager, management
Mass. ..... Massachusetts
math. ..... mathematics
Md. ..... Maryland
M.D. ..... Doctor of Medicine
M.Di. ..... Master of Didactics
M.D.V. .. Doctor of Veterinary Medicine
Me. ..... Maine
M.E. ..... Mechanical Engineer
Mech. ..... mechanics. mechanical
mem. ..... member
M.F. ..... Master of Forestry
mfg. ..... manufacturing
Mich. ..... Michigan
Minn. ..... Minnesota
Miss. ..... Mississippi
M.L. ..... Master of Laws
M.L.A. .. Master of Landscape Architecture
Mo. ..... Missouri
Mont. ..... Montana
mos. ..... months
M.Pd. or M.Ped. ... Master of Pedagogy
M.Ph. ..... Master of Philosophy
M. R. C. V. S. .. Member Royal College of Veterinary Surgeons
M.S., M.Sc., S.M. .... Master of Science
M.S.A. .. Master of Science in Agriculture
M.S.F. .... Master of Science in Forestry

nat. ..... national, natural
N. B. ..... New Brunswick
N. C. ..... North Carolina
N. D. ..... North Dakota
Neb. ..... Nebraska
Nev. ..... Nevada
N. H. ..... New Hampshire
N. J. ..... New Jersey
N Mex. ..... New Mexico
N. S. ..... Nova Scotia
nutr. ..... nutrition
N. Y. ..... New York

O. ..... Ohio
off. ..... office
Okla. ..... Oklahoma
Ont. ..... Ontario
Ore. ..... Oregon

Pa. ..... Pennsylvania
path. ..... pathology, pathologist
Ped.B. ..... Bachelor of Pedagogy
Ped.M. or Pd.M. .... Master of Pedagogy
P. E. I. ..... Prince Edward Island
Penn. ..... Pennsylvania
Ph.B. ..... Bachelor of Philosophy
Ph.D. ..... Doctor of Philosophy
Ph.G. ..... Graduate in Pharmacy
Phil. ..... Philosophical
Ph.M. ..... Master of Philosophy

physiol. ..... physiology, physiological
P. I. ..... Philippine Islands
poly. ..... polytechnic
pom. ..... pomology, pomologist
princ. ..... principal
prof. ..... professor
pub. ..... publisher, publishing

Q.M.C. ..... Quartermaster's Corp.
Q.M.R.C. ..... Quartermaster's Reserve Corp:
Que. ..... Quebec

rep. ..... representative
R. I. ..... Rhode Island

s. ..... son
Sask. ..... Saskatchewan
S.B. ..... Bachelor of Science
S.C. ..... South Carolina
Sc.B. ..... Bachelor of Science
Sc.D., S.D. ..... Doctor of Science
sch. ..... school
sci. ..... science, scientist, scientific
S. D. ..... South Dakota
sec. ..... secretary
sect. ..... section
sem. ..... seminary
serv. ..... service
S.M. ..... Master of Science
soc. ..... society
sociol. ..... sociology
sta. ..... station
S.T.B. ..... Bachelor of Sacred Theology
substa. ..... substation
superv. ..... supervisor
supt. ..... superintendent
surg. ..... surgery

teach. ..... teacher
tech. ..... technical, technology
Tenn. ..... Tennessee
Tex. ..... Texas
treas. ..... treasurer

Univ. ..... University

Va. ..... Virginia
veg. ..... vegetable, vegetables
vert. ..... vertebrate
vet. ..... veterinary, veterinarian
V.M.D. .. Doctor of Veterinary Medicine
voc. ..... vocational
vol. ..... voluntary
V.S. ..... Veterinary Surgeon
Vt. ..... Vermont

Wash. ..... Washington
W. Va. ..... West Virginia
Wis. ..... Wisconsin
wks. ..... weeks
Wyo. ..... Wyoming

Y. M. C. A. .. Young Men's Christian Association
yrs. ..... years

zool. ..... zoology, zoologist

RUS: RURAL UPLOOK SERVICE

Aamodt, Arne Wergeland, co agrl. agt., Bemidji, Minn.

Field asst. and instr. hort., Minn. Exp. Sta., 1910-7. (Potatoes).—*b.* St. Paul, Minn., Dec. 5, 1886; *s.* Aug. A. and Julia (Hagen) A.; reared in city and on farm. Student, Univ. Minn. Alpha Zeta.

Aamodt, Olaf Sverrer, sci. asst., Off. Cereal Invests., U. S. Dept. Agr., and Univ. Minn., University Farm, St. Paul, Minn.

Chg. wheat breeding for rust resistance and winter-killing, U .S. Dept. Agr., 1920–. In Engin. Corps, U. S. Army, 1918-20.—*b.* St. Paul, Minn., Aug. 9, 1892; *s.* August and Julia (Hagen) A.; reared on farm. B.S., Univ. Minn., 1917. Alpha Zeta; Gamma Sigma Delta.

Abbe, Cleveland Jr., geographer and meteorologist, 563 Eldert Lane, Brooklyn, N. Y.

Instr. physiography, Geo.Washington Univ., 1895-8; prof. nat. sci., Winthrop Normal Sch., Rock Hill, S. C., 1899-1901; aid, U. S. Geol. Survey, 1903-6; asst., acting and chief ed. Monthly Weather Review, 1908-10, 1914-8. —*b.* Washington, D. C., Mar. 25, 1872; *s.* Cleveland and Frances Martha (Neal) A.; reared in city; *m.* Frieda Dauer, 1903; *c.* Ernst Cleveland, Elfriede Martha. A.B., Harvard Univ., 1894; A.M., 1896; Ph.D., Johns Hopkins Univ., 1898; student Imperial Univ., Vienna, 1901-3.

Abbott, Fortis Harold, farmer, sales manag., Eastern States Farmers' Exchange, Springfield, Mass.

Formerly co. agrl. agt., Montpelier, Vt. (Coop. purchasing and marketing). —*b.* Brookfield, Vt., Oct. 31, 1891; *s.* Irving N. and Mary E. (Steele) A.; reared on farm; *m.* Sadie M. Chambers, Mar. 6, 1915; *c.* Nathan M., Peggy O. B.S., Univ. Vt., 1913. Alpha Zeta.

Abbott, Horace Emerson, co. agrl. agt., Brazil, Ind.

Superv. voc. agr., LaFayette, Ind., 1917; asst. co. agrl. agt., LaPorte, 1918; breeder Poland-China hogs, Martinsville, 1919-20. Sec. Clay Co. Farmers Assoc. 2d Lieut. Field Artillery, U. S. Army, 1918.—*b.* Pendleton, Ind., Mar. 10, 1896; *s.* Chas. O. and Anna B. (Cunningham) A.; reared on farm. B.S.A., Purdue Univ., 1918. Sigma Pi.

Abbott, Howard C., teach. agr., high-sch., 212 Rumsey Ave., Lansing, Mich.

Instr. agr., high-sch., Allegan, Mich., 1918-9; superv. agr., Selbyville, Del., 1919; present position, 1920–.—*b.* Conquest, N. Y., Nov. 27, 1895; *s.* Geo. A. and Sarah (La Due) A.; reared on farm. B.S., Mich. Agr. Coll., 1918.

Abbott, John Blackler, farmer, Bellows Falls, Vt.

Deputy state chem., Purdue Univ., 1907-8; asst. soils, 1908-11; assoc. soils, 1911-4; state co. agt. leader, N. H. A. & M. Coll., 1914-6; asst. prof. agron., Mass. Agr. Coll., winter 1917; agrl. agt., Middlesex Co., Mass., 1917-9. Mem. exec. com., N. E. Fed. for Rural Progress, 1915-6. (Soil manag.).—*b.* E. Bethel, Vt., Jan. 5, 1883; *s.* Lewis H. and Louise (Jones) A.; reared on farm; *m.* Myra P. Ashwell, Aug. 5, 1908; *c.* Thos. Lewis, Ellen Louise. B.S.A., Univ. Vt., 1907; M.S.A., Purdue Univ., 1909. Sigma Xi.

Abbott, Mark Moore, co. agrl. agt., International Falls, Minn.

Mem. Ford Peace Party to visit Europe, 1915-6.—*b.* Watkins, Minn., July 12, 1894; *s.* L. M. and Maria (Cole) A.; reared on farm. B.S., Univ. Minn., 1916. Gamma Sigma Delta.

Abbott, Walter Clarence, state agt. boys' and girls' club work, La. State Univ., Baton Rouge, La.

Agrst., agrl. high-sch., Hope Villa, La., 1910-3; princ. and agrst., agrl.

high-sch., Stonewall, La., 1913-7; asst. state pig club agt., La. State Univ., 1917-8; co. agrl. agt., Natchitoches Parish, 1918; distr. agt., 1919; present position, 1920-.—*b.* Boston, Ga., Oct. 6, 1889; *s.* W. R. and Jennie (Rowley) A.; reared in town; *m.* Julia Ellen Daigle, Dec. 26, 1911; *c.* Jennie Mae, Walter Clarence, Wm. Simon, Mary Josephine, Florida. B.S., Ala. Poly. Inst., 1909.

Abell, Max Flavel, asst. prof. farm manag., Mass. Agr. Coll., Amherst, Mass.
Asst. farm crops, Ohio State Univ., 1914-5; asst. farm crops, Cornell Univ., 1915-7; instr. farm manag., Conn. Agr. Coll., 1917; asst. prof., 1918; present position, 1920-. Served with U. S. M. C. in Haiti, 1918-9.—*b.* Solvay, N. Y., Oct. 13, 1888; *s.* F. L. and Annie Rose (Palmer) A.; reared on farm. B.Sc., Cornell Univ., 1914. Alpha Zeta.

Abell, Tracy Hayes, asst. prof. hort., Utah Agr. Coll., Logan, Utah.
Asst. princ., high-sch., Victor, Mont., 1915-6; instr. hort., Utah Agr. Coll., 1917-9; asst. prof., 1919-. Fellow Utah Acad. Sci.—*b.* Winona, Minn., June 25, 1893; *s.* Geo. and Emma L. (Clow) A.; reared in city; *m.* Rose L. Sexton, Nov. 17, 1917. B.S., Mont. State Coll., 1915; M.S., Ore. Agr. Coll., 1917. Gamma Sigma Delta.

Acker, Nydia Marie, home dem. agt., Prescott, Ariz.
Superv. home econ. in five rural schs., Phoenix, Ariz., 1917-8. Served Woman's Plattsburg at Vassar College and Bellevue Hospital, N. Y., 1918. (Dietetics). —*b.* Salt Lake City, Utah, Sept. 18, 1895; *d.* Jas. S. and Alice (Smithson) A.; reared in city. B.S., Univ. Ariz., 1917. Kappa Alpha Theta.

Ackerson, Harry Elmer, co. agrl. agt., Peru, Ind.
b. Armstrong, Ill., Jan. 12, 1893; *s.* Nels and Mary A.; reared on farm. B.S.A., Purdue Univ., 1917. Alpha Zeta; Acacia.

Ackert, James Edward, prof. zool. and parasitologist Exp. Sta., Kans. State Agr. Coll., Manhattan, Kans.
Prof. vert. zool., Ill. State Normal Univ., summer 1913; asst. prof. zool., Kans. State Agr. Coll., 1913-6; assoc. prof., 1916-9; prof., 1919-; parasitologist Exp. Sta., 1913-. Fellow A.A.A.S. —*b.* Woosung, Ill., Aug. 31, 1879; *s.* Abram and Eva (Nowell) A.; reared on farm; *m.* Florence Mae Tanner, Aug. 15, 1914. A.B., Univ. Ill., 1909; A.M., 1911; Ph.D., 1913. Sigma Xi; Phi Kappa Phi; Gamma Alpha.

Adair, Shields B., co. agrl. agt., Rome, Ga.
Farm supt., 10th Distr. Agr. Sch., Sparta, Ga., 1910-1; farmer and stockman, 4 yrs.—*b.* Elberton, Ga., Sept. 27, 1891; *s.* Samuel B. and Fannie A. (Thornton) A.; reared in town and on farm; *m.* Ellen L. Davis, Dec. 2, 1914; *c.* Sarah Elizabeth.

Adams, Bristow, prof., ed. publications, chg. information serv., N. Y. State Coll. Agr., Cornell Univ., Ithaca, N. Y.
Assoc. ed. Pathfinder, Washington, 1894-6; artist Bering Sea Fur Seal Comn., 1897-8; ed. American Spectator, 1902-6; assoc. ed. Forestry and Irrigation, 1903-4; for. asst and for. examiner, U. S. For. Serv., 1906-14; present position, 1914-. Sec. Soc. Amer. Foresters, 1914. Pres. Amer. Assoc. Agrl. Coll. Editors, 1918-9. With off. information, U. S. Dept. Agr. in campaign to stimulate food production, 1917-8. (Journalism and for.).—*b.* Washington, D. C., Nov. 11, 1875; *s.* Crawford Cadwalader and Ada Gertrude (Harrison) A.; reared in city and on farm, farming in Va., 1886-91, in Calif., 1899; *m.* Luella Farmer, Apr. 23, 1902; *c.* Eleanor, Gertrude, Everett Wallace, Bristow II. Art educ. Spring Garden Inst., Philadelphia, Corcoran Art Sch., Washington, Barron Studios, Stanford Univ.; B.A., Stanford Univ., 1906. Sigma Xi; Alpha Gamma Rho.

Adams, Charles Snyder, co. agrl. agt., Reading, Pa.
Teach. math., Perkiomen Sem., 1909-10. Dir. Reading Fair Assoc., 1915-. —*b.* Jacksonwald, Pa., Oct. 30, 1888; *s.* Albert H. and Deborah T. (Snyder) A.; reared on farm. B.S., Penn. State Coll., 1914. Alpha Gamma Rho.

Adams, Daniel Snyder, co. agrl. agt., West Chester, Pa.
Teach. rural sch., 1909-13. (Dairy improvement).—*b.* Jacksonwald, Pa., Apr. 10, 1891; *s.* Albert Hartman and Deb-

orah (Snyder) A.; reared on farm. B.S., Penn. State Coll., 1917. Alpha Zeta; Phi Kappa Phi.

Adams, Edward Francis, farmer and journalist, 954 Ashbury St., San Francisco, Calif.

Editorial writer, San Francisco Chronicle. Served in Civil War. *Auth.:* The Modern Farmer, 1899; Critique of Socialism, 1905; Inhumanity of Socialism, 1913.—*b.* Augusta, Me., Dec. 30, 1839; *s.* Thos. and Catherine (Lyman) A.; *m.* Roah Elmira Shattuck, Jan. 30, 1860; 2d, Delia Ray Cooper, Dec. 25, 1868. Grad. Western Reserve Coll., 1860.

Adams, Frank, irrig. manag., Bur. Public Roads, U. S. Dept. Agr., and prof. irrig. invest., Univ. Calif., Berkeley, Calif.

Irrig. invest., U. S. Dept. Agr., 1900-6, 1910–; chg. coop. irrig. invest. in Calif. (U. S. Dept. Agr., Calif. State Dept. Engin., Univ. Calif.), 1910-8. *Ed.*, Transactions, Commonwealth Club of Calif., 1906-8; chm. sect. on conservation, 1911-6; chm. com. on irrig., 1920–. —*b.* Chicago, Ill., Sept. 19, 1875; *s.* Edward Francis and Delia Roxana (Cooper) A.; reared on farm; *m.* Amy Belle Hill, June 20, 1906; *c.* Helen, Francis Edward, David Hill, Thomas Cooper. A.B., Stanford Univ., 1901; A.M., Univ. Neb., 1906.

Adams, George Edward, prof. agron., dean agrl. dept., R. I. State Coll., Kingston, R. I.

Asst. hort., R. I. Exp. Sta., 1894-1904; assoc. agron., 1904-7; prof. agron., R. I. State Coll., 1907–; dean agrl. dept., 1917–; state statistical agt., U. S. Dept. Agr. for R. I., 1901-14.—*b.* N. Kingstown, R. I., May 12, 1874; *s.* Geo. L. and Annie (Gould) A.; reared on farm and in town; *m.* Mary Gates Schermerhorn, Oct. 20, 1903. B.S., R. I. State Coll., 1894; M.S.A., 1916; grad. student Cornell Univ., 1897, 1899-1900. Phi Kappa Phi.

Adams, Harvey Snyder, asst. co. agt. leader, Penn. State Coll., State College, Pa.

Instr. agr., Columbia Co. Summer Normal, Benton, Pa., 1911; instr. agr. and bot., West Chester State Normal, 1912; formerly co. agrl. agt., Butler, Pa. Sec.-treas., Pa. Assoc. Ext. Rep.—*b.* Earlville, Pa., July 6, 1886; *s.* Albert H. and Deborah T. (Snyder) A.; reared on dairy farm. B.S., Penn. State Coll., 1912. Alpha Gamma Rho; Phi Kappa Phi.

Adams, James Fowler, assoc. prof. plant path. and asst. plant path. Exp. Sta., Penn. State Coll., State College, Pa.

Asst. instr. bot., Penn. State Coll., 1911-2; instr., 1912-4; asst. prof., 1914-8; assoc. prof., 1918–. Served in infantry, Camp Lee, Va., June-Sept., 1918; Med. Corps, Army Med. Sch., Washington, 1918-May, 1919. (Plant path. and mycology). —*b.* Charlestown, Mass., Mar. 5, 1888; *s.* W. T. and C. M. A.; reared in city. B.S., Mass. Agr. Coll., 1911; M.S., Penn. State Coll., 1914; Ph.D., Columbia Univ., 1918.

Adams, John Dawson, state vet. and dir. Ida. Bur. An. Ind., State House, Boise, Ida.

Teach. rural schs., Kans. and Mo.; meat insp. and field quarantine work, Bur. An. Ind., U. S. Dept. Agr., 4 yrs.: present position, 1919–.—*b.* Denver, Ill., Sept. 4, 1873; *s.* Thos. E. and Mary Ellen (Massie) A.; reared on farm; *m.* Gladys Luella Newsome, Jan. 12, 1916. D.V.S., Wash. State Coll., 1910.

Adams, Maude Gregory, superv. voc. home econ. and teach. trainer, Ohio State Univ., Columbus, O.

Head dept. dom. art, Columbus Sch. for Girls, 1912-4; head home econ., Castillija Sch. for Girls, Palo Alto, Calif., 1914-5; superv. practice teaching in home econ., Ohio State Univ., 1915-8; present title, 1918–. Sec. home econ. sect., Cent. Assoc. Sci. and Math. Teachers.—*b.* London, England, May 20, 1874 (naturalized 1883); *d.* Cornelius Wm. and Marcia Frances (Perrin) Gregory; *m.* Paul Allen Adams, Nov. 24, 1898; *c.* Althea Tracy. Student Leland Stanford Univ., 1896-8; B.Sc., Ohio State Univ., 1914. Phi Upsilon Omicron.

Adams, Maxwell, prof. chem. and dean Coll. Arts and Sci., Univ. Nev., Reno, Nev.

Instr. sci. and vice-pres. State Normal, Chico, Calif., 1897-1906; prof. chem., Univ. Nev., 1906–; dean Coll. Arts and Sci., 1917–. Operator fruit

farm, Chicao, Calif., 13 yrs. Fellow A. A. A. S.—*b.* St. George, W. Va., Feb. 28, 1869; *s.* Daniel C. and Dorcas (Bonnifield) A.; reared on farm; *m.* Elizabeth Quinn, July 27, 1897; *c.* Lindel Dorcas, Gregory R. A.B., Leland Stanford Univ., 1895; A.M., 1896; Ph.D., Univ. Chicago, 1904. Sigma Xi; Phi Kappa Phi.

Adams, Richard Laban, prof. farm manag., Univ. Calif., Berkeley, Calif.

Dir. Spreckels Sugar Co. Exp. Sta., Spreckels, Calif., 5 yrs.; asst. general manag., Miller & Lux Inc., Calif., 2 yrs.; present position, 1914–. Farm help specialist for Calif., U. S. Dept. Agr. *Auth.:* Manual for Sugar Beet Growers, 1913.—*b.* Dorchester, Mass., Aug. 27, 1883; *s.* Chas. Laban and Emma (Sellew) A.; reared in city; *m.* Grace Ella Fuller, June 22, 1910. B.S., Mass. Agr. Coll., 1905; B.S., Boston Univ., 1905; M.S., Univ. Calif., 1910. Phi Kappa Phi.

Adams, Robert Morrill, asst. ext. prof. veg.-gard., Cornell Univ., Ithaca, N. Y.

Teach. biol. and agr., high-schs., Philippines, 1906-12; princ. high-sch., Tisbury, Mass., 1912-3; examiner, Civil Serv. Comn., Washington, 1913-5; translator, ed. and sci. asst. hort., U. S. Dept. Agr., 1917-9; present position, 1920–. Traveled twice around world. (Agrl. educ.).—*b.* Hill, N. H., May 28, 1882; *s.* Frank E. and Mary (Parker) A.; reared on farm and in town; *m.* Catherine Van Gorden, July 17, 1919; *c.* Van Gorden. B.S., Lebanon Univ., 1903; A.B., Yale Univ., 1906.

Adams, Romanzo, prof. econ., Coll. Hawaii, Honolulu, Hawaii.

Princ. public schs., Ireton, Ia., 1892-4; prof. econ. and sociol., Western Coll., Toledo, Ia., 1898-1900; prof. educ. and sociol., 1902-11; prof. agrl. econ., Univ. Nev., 1911-20; present position, 1920–. Pres. Nev. State Teach. Assoc., 1905-10; sec. Nev. Comn. on Econ. and Taxation, 1912-3. *Auth.:* Taxation in Nevada—A History, 1918.—*b.* Bloomingdale, Wis., Mar. 22, 1868; *s.* Mighill Dustin and Catherine (Wolfe) A.; *m.* Nellie Cronk, Sept. 16, 1902. M. Di., Ia. State Teach. Coll., 1892; Ph.B., Univ. Mich., 1897; Ph.M., 1898; Ph.D., Univ. Chicago, 1904.

Adkins, Charles, farmer, dir. of agr., Dept. Agr., Springfield, Ill.

Mem. Ill. Legislature, 6 yrs.; speaker House of Rep., 2 yrs.—*b.* near Derby, O., Feb. 7, 1863; *s.* Sampson and Eliza Ann (Mintin) A.; reared on farm; *m.* Dora E. Farrow, Jan. 8, 1887; *c.* Dora Ellen, Chas. Otis, Ben F., Roy, Howard, Ruth, Grace, Mary E., Martha.

Adriance, John Willis, co. agrl. agt., Stockton, Calif.

Asst. emer. dem. agt., San Joaquin Co., Calif., 1917-Mar. 1919; co. agrl. agt., 1919–. (Farm manag.).—*b.* Napa, Calif., Jan. 24, 1895; *s.* John Chamberlain and Lucinda Willis (Winchester) A.; reared on farm. B.S., Univ. Calif., 1917. Alpha Zeta.

Agee, Alva, sec. State Dept. Agr., Trenton, N. J.

Prof. in chg. agrl. ext., Penn. State Coll., 1907-12; dir. div. ext. in agr. and home econ., Rutgers Coll. 1912-8; sec. N. J. State Dept. Agr., 1916–. *Auth.:* Essentials of Soil Fertility, 1911; Crops and Methods for Soil Improvement, 1913; The Right Use of Lime in Soil Improvement, 1919. *Assoc. ed.*, National Stockman and Farmer.—*b.* Cheshire, O., Oct. 1, 1858; *s.* Jesse Thornhill and Lydia (Mauck) A.; *m.* Louise Grace Hibbs, Oct. 6, 1887. M.S., Univ. Wooster, O., 1911. Delta Upsilon; Phi Kappa Phi; Alpha Zeta.

Agee, Hamilton Pope, dir. Hawaiian Sugar Planters' Exp. Sta., Honolulu, Hawaii.

Asst. dir. in chg. La. Sugar Exp. Sta., 1909-11; agrst., Hawaiian Sugar Planters' Exp. Sta., 1911-3; dir., 1913–. Mem. Fair Comn of Hawaii. (Sugar-cane agr.).—*b.* Memphis, Tenn., Dec. 9, 1884; *s.* G. W. and Elizabeth (Worthen) A.; *m.* Fannie Heaslip Lea, May 11, 1911; *c.* Anne W. B.S., La. State Univ., 1904. Kappa Sigma.

Aggrey, James Emman Kwegyir, prof. econ. and sociol., Livingstone Coll., Salisbury, N. C.

Pastor Miller's Chapel and Sandy Ridge Circuit. Vice-pres. N. C. State Teach. Assoc.; super. officer, Piedmont Credit Union; sec-treas. Piedmont Nat. Farm Loan Assoc.; lect. rural sociol., Rowan Co., N. C., Farm Assoc. Fellow Royal Anthropological Inst.; vice-pres.

Amer. Negro Acad.; mem. Société d' Anthropologie de Paris. Formerly ed. The Living Stone, The Industrial Messenger. (Religion, educ., sociol., the negro problem).—*b.* Anamabu, Gold Coast, W. Africa, Oct. 18, 1875; *s.* Kodwo Kwegyir and Abina (Andua) A. (col.); *m.* Rose Rudolph Douglass, Nov. 8, 1905; *c.* Abina Andua Azalea, J. E. K. Jr., Rosebud Douglass. A.B., Livingstone Coll., 1902; student Columbia Univ.; A.M., Livingstone Coll.,; D.D., Hood Theol. Sem. Tau Delta Tau.

Agster, Horatio Stanley, co. agrl. agt., Anderson, Ind.
Farmer, 1914-8. Farm serv. dept., Citizens' Bank of Anderson.—*b.* Fulton Co., Ind., May 2, 1891; *s.* Fred and Ellen (Johnson) A.; reared on farm; *m.* Catherin Bernice Coplen, May 26, 1915; *c.* Richard Tod, Jean Catherine. B.S., Purdue Univ., 1915.

Ahearn, Michael Francis, prof. pom., Kans. State Agr. Coll., Manhattan, Kans.
Asst. hort., Kans. State Agr. Coll., 1904-9; head coach athletics, 1905-11; instr. hort., 1909-11; asst. prof. hort., 1911-3; assoc. prof. hort., 1913-5; prof. pom. and lands. gard., 1915–. Mem. Kans. Rural Life Comn., 1916–. Florist 6 yrs. in Mass. and N. H.—*b.* Masboro, England, Nov. 28, 1878; *s.* John and Mary (Currivan) A.; reared in city and country; *m.* Mary Elizabeth Davis, Aug. 14, 1907; *c.* Jas. Edward. B.Sc., Mass. Agr. Coll., 1904; M.S., Kans. State Agr. Coll., 1913. Alpha Sigma Phi; Alpha Zeta; Phi Kappa Phi.

Ahrens, Ida, home dem. agt., Malcom, Ia.
Instr. clothing, Univ. Neb., 1917-8. —*b.* Sac City, Ia., June 10, 1892; *d.* E. L. and Emma (Dart) A.; reared in town. B.S., Ia. State Coll., 1916. Delta Delta Delta; Omicron Nu.

Aicher, Louis Cornelius, supt. Aberdeen Exp. Sta., Aberdeen, Ida.
Supt. Exp. Sta., Caldwell, Ida., 1910-1; present position, 1911–; agron., Bur. Plant Ind., U. S. Dept. Agr., 1911–. (Agron.).—*b.* Meeker, Colo., Jan. 16, 1887; *s.* C. and Lena (Estell) A.; reared on farm; *m.* Edith Nellie Davies, June 15, 1911; *c.* Louis Carlyle, Frances, Geo. Wilson. B.S.A., Kans. State Agr. Coll., 1910. Alpha Zeta.

Aiken, George David, fruit-grower and nurseryman, Putney, Vt.
Pres. Vt. Hort. Soc., 1918-9; state vice-pres. New England Fruit Show, 1915-9. (Bush-fruits, particularly raspberries).—*b.* Dummerston, Vt., Aug. 20, 1892; *s.* Edward W. and Myra (Cook) A.; reared on farm; *m.* Beatrice M. Howard, Dec. 7, 1914; *c.* Dorothy Howard, Marjorie Evelyn.

Aiken, Herbert Everett, farmer, R. No. 82, Jamestown, N. Y.
Master Pomona Grange of Chautauqua Co., 1917–; pres. Chautauqua Co. Farm Bur. Assoc., 1918-9; Justice of Peace, town of Ellicott. (Potato-growing).—*b.* Jamestown, N. Y., Mar. 17, 1872; *s.* Lyman and Zeruiah (Jones) A.; reared on farm; *m.* Mary Evelyn Halsall, June 6, 1900; *c.* Lyman Halsall.

Ainslie, Charles Nicolas, ent., Bur. Ent., U. S. Dept. Agr., in chg. field sta., 5009 Orleans Ave., Sioux City, Ia.
Fellow A.A.A.S.—*b.* Amsterdam, N. Y., Oct. 13, 1856; *s.* Geo. and Mary Jane (Hagaman) A.; reared on farm; *m.* Ada Louise Gooding, Oct. 9, 1884; *c.* Geo. Gooding, Arthur Frederic, Kenneth Chas. B.S., Beloit Coll., 1877; M.A., 1880.

Ainslie, George Gooding, ent. asst. in chg. Bur. Ent. field sta., R. D. No. 9, Knoxville, Tenn.
Assoc. prof. zool. and ent., Clemson Agr. Coll., S. C., 1909-10. Fellow A. A. A. S. (Field crop insects).—*b.* Rochester, Minn., Mar. 7, 1886; *s.* Chas. N. and Ada L. (Gooding) A.; reared in town; *m.* Mattie L. Baumgarten, Aug. 16, 1910; *c.* Paula Louise, Geo. Lewis. B.S.A., Univ. Minn., 1908. Sigma Xi; Alpha Zeta.

Albertson, Henry Haines, farmer, Burlington, N. J.
Fruit-grower and farmer, Taughannock Falls, N. Y., 5 yrs., Burlington, N. J., 12 yrs. Sec. Burlington Co. Bd. Agr., 7 yrs.; dir. Burlington Co. Farmers' Exchange; dir. Farmers Trust Co., Mt. Holly, N. J. Traveled in Europe, Porto Rico. *Assoc. ed.*, Farm Journal, 1901.—*b.* Fernwood, Pa., Jan. 9, 1880; *s.* Henry and Mary R. (Hodgson) A.; reared in town; *m.* Maria B. Moon, May 15, 1915; *c.* Edith M., Elizabeth R. Student Cornell Univ., 1898-1900.

Albrecht, Simon, farmer and stockman, Tiskilwa, Ill.

Pres. Ill. Swine Breeders Assoc.; sec. Ill. Hampshire Swine Breeders Assoc. —*b.* Tiskilwa, Ill., Jan. 18, 1877; *s.* John A. and Elizabeth (Birky) A.; reared on farm; *m.* Sarah Alice Stahly, June 12, 1902; *c.* Dorothy Marvin, Beulah, Kenneth, Chas., Everett.

Albrecht, William Albert, assoc. prof. soils and asst. Exp. Sta., Univ. Mo., Columbia, Mo.

Instr. Latin, Bluffton Coll., O., 1911-2; instr. soils, Univ. Mo., 1916-9; asst. prof., 1919; assoc. prof., 1920–. Manag. grain farm, 1915–. (Nitrogen fixation in soils).—*b.* Flanagan, Ill., Sept. 12, 1888; *s.* John and Barbara (Nafziger) A.; reared on farm. A.B., Univ. Ill., 1911; B.S.A., 1914; M.S., 1915; Ph.D., 1919. Sigma Xi; Gamma Alpha; Alpha Zeta.

Albyn, Herbert A., hort., Bennington, Vt.

Manag. fruit farms, Vt., O. and Tex. Supt. Green Mt. Home Sch.; owner Albyn-Thompson fruit farm and Hillcrest sheep farm.—*b.* Chillicothe, O., Sept. 8, 1882; *s.* Martin Henry and Eunice Helen (Whitaker) A.; reared on farm; *m.* Clara L. Deinhardt, Aug. 3, 1909; *c.* Everett, Robt., Jeanne, Mary. Student, Ohio State Univ.

Alcorn, Timothy Marshall, dir. voc. agr., Union High-Sch., Kingsburg, Calif.

Supt. schs., Shelton, Wash., 1906-9; Bremerton, Wash., 1909-12; farmer, Ore., 1912-8; present position, 1918–. —*b.* Wayne Co., Ky., May 16, 1876; *s.* John Marshall and Addie Eliza (Marshall) A.; reared on farm; *m.* Esther Bowers, June 28, 1905 (d. Apr. 12, 1917); *c.* Wayne Bowers, Earl Marshall. B.S., Kans. Wesleyan, 1903; A.B., Univ. Wash., 1906.

Alderman, William Horace, chief div. hort., Univ. Minn., University Farm, St. Paul, Minn.

Field agt. making orchard survey for div. pom., Cornell Univ., summer 1908; asst. and assoc. hort., N. Y. Exp. Sta., Geneva, 1908-11; prof. hort. and hort. Exp. Sta., W. Va. Univ., 1911-9; acting dean and dir. Coll. Agr. and Exp. Sta., 1918-9; present position, 1919–. Sec. W. Va. State Hort. Soc., 1917-9; pres. Amer. Soc. Hort. Sci., 1920. *Auth.:* (with others) Plums of New York. (Pom.).—*b.* Orleans Co., N. Y., Apr. 6, 1885; *s.* Chas. C. and Elvira A. (Root) A.; reared on farm; *m.* Margaret B. Chamberlayne, Sept. 23, 1908; *c.* De Forest Chas. B.S.A., Cornell Univ., 1908. Sigma Phi Sigma.

Alderson, Matt. W., ed. Northwestern Stockman and Farmer, Helena, Mont.

Ed., Avant Courier, Bozeman, Mont., 1897; present position, 1918–. Traveled in S. Amer. and Cent. Amer.—*b.* Shullsburg, Wis., Apr. 15, 1855; *s.* Wm. W. and Frances (Weatherby) A.; reared on farm; *m.* Mary Elizabeth Long, Sept. 12, 1888; *c.* Myrtle, Dorothy, Priscilla.

Aldrich, S. Allen, instr. agr., high-sch Mantorville, Minn.

Instr. agr., high-sch., Henderson, Minn., 1918-9; Mantorville, 1919–. General farmer, Rochester, Minn., 3 yrs. (Rural social and farmers' club work). —*b.* Rochester, Minn., Nov. 1, 1897; *s.* W. S. and Bettie M. (Pimbert) A.; reared in town. B.S., Univ. Minn., 1918. Alpha Gamma Rho.

Alexander, Henry Quincy, farmer and physician, Matthews, N. C.

Pres. N. C. Farmers Educ. and Coop. Union, 1908-19; mem. N. C. State Bd. Agr. Mem. N. C. Legislature, 1903, 1905.—*b.* Fancy Hill, N. C., Aug. 23, 1863; *s.* Junius M. and Sarah (Gibson) A.; reared on farm; *m.* Annie Lee Campbell, Aug. 23, 1888; 2d, Ethel Brinkley, June 19, 1917; *c.* Clive, Edith, Jessie, Henry, Thos., Dwight, Frances, Mary, Ruth Brinkley. M.D., Univ. Md., 1888.

Alford, George H., ed. The Progressive Farmer, Dallas, Tex.

Mem. Miss. Legislature, 1908-12. *Ed.,* Southern Farm Gazette, 1902-5; The Progressive Farmer, 1917–. (Diversified farming in the cotton-belt).—*b.* Magnolia, Miss., Jan. 28, 1875; *s.* J. D. and Luwinda (Fortenberry) A.; reared on farm; *m.* Mayme Simmons, Nov. 2, 1902; *c.* Ruth, Mildred, Lura, Percy Geo. B.Sc., Miss. A. & M. Coll., 1899.

Alleman, Dudley, asst. market surveys, U. S. Bur. Markets, 445 Howard St., Detroit. Mich.

Farmer near Geneva, N. Y., 1912-6; country buyer, fruits, hays, etc., 1914-6. Sch. dir., Seneca Co., N. Y., 1916. *Assoc. ed.*, Sickle and Sheaf, 1918-9; ed., 1919-20. Served as private French Army, 1916-7, wounded July 19, 1917. (Marketing fruits and vegetables).—*b.* Brooklyn, N. Y., May 5, 1893; *s.* Lewis and Frances (Dudley) A.; reared on farm; *m.* Irene Simpson, June 18, 1919. B.S., Cornell Univ., 1914. Alpha Gamma Rho.

Alleman, Milton Reuben, co. agrl. agt., Port Angeles, Wash.

Farmer; deputy state dairy comnr., 1909–11.—*b.* Kansas City, Mo., Jan. 13, 1888; *s.* Reuben A. and Elizabeth (Dryfuse) A.; reared on farm; *m.* Sabra Eleanor Kennedy, Aug. 19, 1911; *c.* Eleanor Elizabeth, Reuben Kennedy. B.S.A., Kans. State Agr. Coll., 1909. Alpha Zeta.

Allen, Archibald Murray, co. agrl. agt., Morganfield, Ky.

Instr. short-course, Univ. Mo., 1910-1; topographer, N. Pacific Ry., 1906-9. Farmer, Mo., 9 yrs. Sec. Union Co. Farm Bur. (Farm manag.).—*b.* Fayette, Mo., Feb. 7, 1883; *s.* Edward Archibald and Pricilla (Armistead) A.; reared in town; *m.* Mary Murphy Devin, June 24, 1914; *c.* Mable Joyce, Archibald M. Jr. B.S., Univ. Mo., 1908. Sigma Alpha Epsilon.

Allen, Blynne, supt. municipal piggery and garbage collection, City Hall, Portland, Me.

Specialist orchards and crops, Me. Dept. Agr., 1914-5; supt. Pinecroft Dairy, Westbrook, Me., 1915-6; supt. schs.; Eliot and S. Berwick, 1916-7; distr. dem. agt., Augusta, Me., 1917-9; present position, 1919–. (Swine husb.). —*b.* Raymond, Me., June 1, 1888; *s.* Abner Winfield and Alice (Dingley) A.; reared on farm; *m.* Florence E. Allen, June 1, 1916; *c.* Elmer Winfield, Francis Blynne. Student Univ. Me., Cornell Univ. Phi Kappa Sigma.

Allen, Edwin West, chief Off. Exp. Stas., States Relations Serv., U. S. Dept. Agr., Washington, D. C.

Asst. chem., Mass. Exp. Sta., 1885-8; asst. Off. Exp. Stas., 1890-3; asst. dir., 1903-15; chief, 1915–. Exec. sec. Comn. on Country Life, 1908; mem. Nat. Research Council, 1917–. Sec.-treas. Soc. for Promotion Agrl. Sci., 1910-4; sec. Sect. Agr., A. A. A. S., 1914-8; sec. com. on station organizing and policy, Assoc. Amer. Agrl. Colls. and Exp. Stas. Traveled in Europe. *Assoc. ed.*, Experiment Station Record, 1893-5; ed., 1895–; ed. for agr., New International Encyclopaedia, Nelson's Encyclopaedia. (Agrl. research and administration).—*b.* Amherst, Mass., Oct. 28, 1864; *s.* Lysander H. and Mary M. (Bullard) A.; reared in town; *m.* Estelle S. Perkins, Apr. 2, 1890; *c.* Dorothy H. B.S., Mass. Agr. Coll., 1885; Ph.D., Univ. Goettingen, 1890. Phi Kappa Phi; Alpha Sigma Phi.

Allen, Frank Wisdom, asst. prof. pom., Univ. Calif., Berkeley, Calif.

Instr. hort., Ia. State Coll., 1910-3; instr. hort., Wash. State Coll., 1913-4; asst. hort., 1914-7; asst. hort., Bur. Markets, U. S. Dept. Agr., 1917-20; present position, 1920–. (Handling and storage of fruits).—*b.* Columbia, Mo., July 18, 1887; *s.* Frank W. and Floyd (Prather) A.; reared in town and on farm; *m.* Alma Leora Turner, July 18, 1911; *c.* Frank W., Floyd Turner. B.S.A., Univ. Mo., 1910; M.S., Ia. State Coll., 1913. Gamma Sigma Delta; Phi Kappa Phi.

Allen, Harold Boughton, superv. agr., high-sch., Leonardo, N. J.

Instr. agr., high-sch., Westfield, N. Y., 1915-8; present position, 1918–. Pres. Agr. Teach. Assoc. of N. J., 1916-8, 1920–.—*b.* Carlton, N. Y., Aug. 4, 1891; *s.* Albert M. and Lucy May (Boughton) A.; reared on farm; *m.* Bessie D. Bowdish, July 5, 1916 (d. 1918). Grad. Cortland State Normal Sch., 1915; student Cornell and Columbia Univ.

Allen, Harry Earl, assoc. prof. an. husb., Purdue Univ., LaFayette, Ind.

Assoc. prof. an. husb., Va. Poly. Inst., 1909-10; instr. an. husb., Purdue Univ., 1910-2; asst. prof., 1912-6; assoc. prof., 1916–. Sec. Ind. Sheep Breeders Assoc.; sec. Ind. Live-stock Breeders Assoc.; sec. Ind. Hereford Breeders Assoc. 1st Sergeant and 2d Lieut., Ind. Nat. Guards.—*b.* Van Wert, O., Jan. 20, 1885; *s.* F. M. and Jennie (Balycat) A.; reared on farm; *m.* Blanche Slocum,

June 12, 1912 (d. 1913); *c.* Richard Slocum. B.S.A., Ohio State Univ., 1909. Phi Delta Theta; Alpha Gamma Rho.

Allen, Leo M., co. agrl. agt., Saratoga Springs, N. Y.

Foreman, Heart's Delight Farm, Chazy, N. Y., 9 mos.; manag. Clover Heights Farm, Pittsford, N. Y., 6 yrs. —*b.* Hyde Park, Vt., Feb. 8, 1891; *s.* Geo. B. and Lona (Mower) A.; reared on farm; *m.* Grace M. Blake, June 25, 1914. Student short-course, Cornell Univ., 1910-1, 1911-2.

Allen, Ralph, farmer, Delavan, Ill.

Breeder Jersey cattle, 1876-1900; grain and live-stock farmer, 1900–. Dir. Ill. State Dairymens Assoc., 3 yrs.; dir. Ill. Farmers Insts., 1901–.—*b.* Seakonk, Mass.; *s.* Jonathan B. and Harriet M. (Horton) A.; reared on farm; *m.* Ada M. Eaton, 1879; *c.* Edith L., Paschal, Fred E., Jonathan B., Ralph Jr., Lucy E., Harriet M., Hester A., Eloise G., Theodore R. B.S., Univ. Ill., 1876; M.S., 1894.

Allen, W. C., ed. The Dakota Farmer, Aberdeen, S. D.

b. Columbia Co., Wis., Aug. 11, 1869; *s.* Wm. C. and Sarah T. (Carr) A.; *m.* Arabella French, Feb. 1, 1896; *c.* Esther.

Allison, Harry Orson, co. agrl. agt., Pontiac, Ill.

Instr. an. husb., Univ. Ill., 1906-10; asst prof. an. husb., Univ. Mo., 1910-2; assoc. prof., 1912-9; present position, 1919–. Sec. Mo. Cattle, Swine, and Sheep Feeders Assoc. (Live-stock production and an. nutr.).—*b.* Alpha, Ill., Nov. 17, 1881; *s.* W. O. and Phylinda (Patterson) A.; reared on farm. B.S., Univ. Ill., 1906; M.S., 1912. Sigma Xi; Phi Sigma Kappa; Alpha Zeta; Gamma Alpha.

Allison, Inga Marie Katrine, prof. home econ., Colo. Agr. Coll., Fort Collins, Colo.

Assoc. prof. chem. and home econ., Lake Erie Coll., 1905-8; present position, 1908–. (Nutr. and cookery).—*d.* John and Inga (Acker) A.; reared on farm. A.B., Univ. Chicago, 1905.

Allison, John Hampden, co. agrl. agt., Council Bluffs, Ia.

b. Butler, Mo., Jan. 17, 1886; *s.* J. H. and Mattie (Roe) A.; reared on farm; *m.* Florence Badgley, July 12, 1917. B.S.A., Ia. State Coll., 1915.

Allison, John Howard, prof. for., Univ. Minn., University Farm, St. Paul, Minn.

Present position, 1913–. Worked for U. S. For. Serv. on forest working plans for Cocomio and Tusuyan Forests, Ariz., 1918-9.—*b.* E. Granby, Conn., Sept. 25, 1883; *s.* John A. and Mary E. (Mack) A.; reared on farm; *m.* Mabel A. Shepard, Sept. 6, 1911; *c.* John H. Jr. Ph.B., Sheffield Sci. Sch., Yale, 1905; M.F., Yale For. Sch., 1906.

Allred, Charles Ernest, prof. agrl. econ. and farm econ. Exp. Sta., Univ. Tenn., Knoxville, Tenn.

With Off. Farm Manag., 1915; asst. specialist in agron. ext., Univ. Tenn., 1916-8; specialist in farm manag. ext., Univ. Tenn., 1918-9; present position, 1919 (Farm tenancy).—*b.* Allred, Tenn., Apr 5, 1887; *s.* Pierson Miller and Lee Anne (Looper) A.; reared on farm. B.S.A., Univ. Tenn., 1912; M.S.A., Cornell Univ., 1913. Sigma Phi Epsilon; Alpha Zeta; Acacia.

Alps, Henry F., meteorologist, U. S. Weather Bur., Reno, Nev.

Pres. Washoe Co. Farm Bd.—*b.* Quincy, Ill., May 17, 1875; *s.* John F. and Mary A. (Sherman) A.; reared on farm; *m.* Leota P. McKibben, Nov. 8, 1898; *c.* Ruth R., Marvel P. B.S., Colo. Agr. Coll., 1896.

Alsberg, Carl Lucas, biochem. and chief Bur. Chem., U. S. Dept. Agr., Washington, D. C.

Asst. physiological chem., Harvard Univ., 1902-5; instr. biol. chem., 1905-8; chem. biol., Bur. Plant Ind., 1908-12; chief Bur. Chem., 1912–; invest., U. S. Bur. Fisheries, 1906-8. Fellow A. A. A. S. Sec.-treas. Assoc. Official Agrl. Chems.; pres. Amer. Soc. Biol. Chem. (Biol. and food chem., pharmacology).—*b.* New York, N. Y., Apr. 2, 1877; *s.* Meinhard and Bertha (Baruch) A.; reared in city. A.B., Columbia Univ., 1896; A.M., 1900; M.D., 1900; studied Univ. Strassburg and Berlin, 1900-3.

Alsop, Joseph Wright, farmer, Avon, Conn.

Trustee Conn. Agr. Coll.; mem. bd. control, Conn. Exp. Sta. Mem. Conn. House of Rep., 1907; Conn. Senate, 1909-11. Pres. New England Tobacco-Growers Assoc.; pres. Conn. Guernsey Cattle Club. Public utilities comnr. Tobacco and dairy farmer, 1901–.—*b.* Middletown, Conn., Apr. 2, 1876; *s.* Joseph Wright and Elizabeth Winthrop (Beach) A.; reared in country; *m.* Corinne Roosevelt Robinson, Nov. 5, 1909; *c.* Joseph Wright, Corinne Roosevelt, Stewart J. O., John O. Ph.B., Yale Univ., 1898; student Univ. Berlin, 1893-4. Delta Psi.

Alspaugh, Clyde Harrison, farmer. De Queen, Ark.

Agrst., Boys Ind. Sch., Waialee, Hawaii, 1911-3; voc. instr., Isl. of Kansi, 1913-5; prof. hort. and agron., distr. agrl. sch., Russellville, Ark., 1916-7; asst. prof. hort., Grubbs Voc. Coll., Arlington, Tex., 1917-8; co. agrl. agt., El Dorado, Ark., 1918-9. Traveled in China and Japan.—*b.* Lincolnville, Kans., Nov. 25, 1888; *s.* N. Franklin and Mary E. (Sill) A.; reared on farm; *m.* Alice M. Taylor, June 27, 1918. B.S., Kans. State Agr. Coll., 1909. Gamma Sigma Delta.

Alter, J. Cecil, meteorologist, U. S. Weather Bur., Salt Lake City, Utah.

Asst., govt. exhibit work, 1913-5; frost warning serv., Rogue River Valley, 1916; chg. Wyo. sect. Climatological Serv., 1916-7; present position, 1917–. —*b.* near Rensselaer, Ind., Mar. 31, 1879; *s.* John E. and Hattie (McColly) A.; reared on farm; *m.* Jennie Greene, Jan., 1904; *c.* John Winston, Edward Irving, Martin Scribner. Student Purdue Univ.

Altgelt, George Adolph, farm agt. Leon Valley Irrig. Co., Ft. Stockton, Tex.

Farmer, 2 yrs.; agrl. agt., Bandera Co., Tex., 1917-9; present position, 1919–. Sec. Bandera Co. Wool and Mohair Growers Assoc.—*b.* San Antonia, Tex., Apr. 12, 1889; *s.* Geo. C. and Bertha (Kalteyer) A.; reared in city and on farm; *m.* Eileen Willis, July 20, 1917; *c.* Geo. A. Jr. Student, Tex. A. & M. Coll.

Alvord, Charles Hulbert, manag. agrl. bur., Chamber of Commerce, San Antonio, Tex.

Asst. agrst., Mich. Agr. Coll., 1897-9; asst. prof. agr., Tex. A. & M. Coll., 1899-1902; prof. and dean agr., 1906-11; supt. ext. farming, Taft Ranch, Corpus Christi, Tex., 1911-7; agrst. and field agt., States Relations Serv., U. S. Dept. Agr., 1917-9.—*b.* Camden, Mich., Oct. 16, 1872; *s.* Nathan Alonzo and Melinda (Landon) A.; reared on farm; *m.* Lotta L. Hicks, Oct. 28, 1896; *c.* Janet Carr, Inez Francis, Mina Cook, Chas. H. Jr. B.S., Mich. Agr. Coll., 1895; M.Agr., 1907. Phi Delta Theta.

Alway, Frederick James, chief div. soils, Univ. Minn., University Farm, St. Paul, Minn.

Prof. chem., Neb. Wesleyan Univ., 1898-1906; prof. agrl. chem., Univ. Neb., 1906-13; prof. soil chem. and chief div., Univ. Minn., 1913–. Fellow A. A. A. S.—*b.* Rockford, Canada, May 28, 1874 (naturalized 1911); *s.* Frederick and Rachel (Mason) A.; reared on farm; *m.* Eva Mary Cook, 1898; *c.* Erica, Lazelle, Lenore, Frederica, Robt. B.A., Toronto Univ., 1894; Ph.D., Heidelberg Univ., 1897. Sigma Xi; Alpha Zeta.

Alwood, William Bradford, fruit-grower and farmer, Old Dominion Fruit Farm, Greenwood, Va.

Teach. country sch., 1879-81; supt. Ohio Exp. Sta., 1882-6; asst. ent., U. S. Dept. Agr., 1886-8; vice-dir. Va. Exp. Sta., 1888-1904; prof. hort., Va. Poly. Inst., 1891-1904; chg. invests. on fermentation of fruit-products, Bur. Chem., U. S. Dept. Agr., 1900-6; enological chem., 1907-14, chief enological lab. Del. to Intern. Congress on Agrl. Educ., Paris, 1900; Intern. Congress on Viticulture, France, 1907, 1911, 1914; Intern. Congress for Agr., 1911. Pres. Intern. Congress Viticulture, San Francisco, Calif., 1915. Decorated by French govt., Chevalier du Merite Agricole, Officer du Merite Agricole; gold medal, St. Louis, 1904; hon. memorial medal, San Francisco, 1914. Fellow A. A. A. S. Mem. Société des Chemists Experts de France. —*b.* Delta, O., Aug. 11, 1859; *s.* D. W. and Anna E. (Brailey) A.; reared on farm; *m.* Seffie Gantz, Mar. 4, 1884; *c.* Hubert J., Helen Anna, Nellie Sarah,

Mabel, Wm. B. Jr., Lewis G., Esther, Richard O. Special student, Ohio State Univ.: Royal Pom. Sch., Germany, 1900-1; Inst. Pasteur, Paris, 1907.

Amundsen, Edward Otto, co. agrl. agt. and instr. agrl. ext., Univ. Calif., E. Auburn, Calif.

Farmer, Minn., 1903-7; fruit-grower, Walla Walla Valley, Ore., 1907-8; agt. Placer Co., 1915–. Mem. State Hort. Comn., 1911-2.—*b.* Chicago, Ill., July 20, 1884; *s.* O. and Anna (Staven) A.; reared in city and on farm; *m.* Cora A. Simpkins; *c.* Jack Edward. B.S., Univ. Calif., 1912. Delta Sigma Phi; Alpha Zeta.

Amundson, Robert Andrew, co. agrl. agt., Oconto, Wis.

Instr. soils, Univ Wis., July-Jan. 1917; farm manag., Rio, Wis., 3 yrs. (Land drainage).—*b.* Rio, Wis., Mar. 23, 1893; *s.* Halver and M. (Anderson) A.; reared on farm. Student Univ. Wis. Alpha Gamma Rho.

Anderson, Aaron Edward, field agt., U. S. Bur. Crop Estimates, Box 1284, Lincoln, Neb.

General farmer, 5 yrs. (Crop reports and statistics).—*b.* Eskridge, Kans., Mar. 1, 1887; *s.* J. P. and Olive (Smith) A.; reared on farm; *m.* Minnie D. Johnson, Mar. 3, 1915; *c.* L. E. and C. E. B.S., Kans. State Agr. Coll., 1911; B.S. in Agron., 1914.

Anderson, A. Crosby, manag. Freeman Dairy Co., Flint, Mich.

Supt. schs., Smethport, Pa., 1890-1; supt. schs., Forestville, N. Y., 1891-1904; prof. dairy husb., Mich. Agr. Coll., 1908-20; present position, 1920–. Studied dairying one summer in Europe. —*b.* Ellington, N. Y., Aug. 19, 1865; *s.* Edwin and Katherine (Crosby) A.; reared on farm; *m.* Inez E. Shannon, June 28, 1894; *c.* 2 sons. B.S., Mich. Agr. Coll., 1906.

Anderson, Andrew Daniel, co. agrl. agt. and farmer, Sidney, Mont.

Teach agr., bot., zool. and manual training, high-sch., Elbow Lake, Minn., 1911-2; co. agt., Glenwood, Minn., 1912-7; Sidney, Mont, 1917-. (Silos, live-stock, crops). —*b.* Solaro Dalarne, Sweden, Sept. 5, 1880; *s.* Daniel and Christina (Johnson) A.; reared on farm; *m.* Mazie Winifred Joy, July 11, 1913; *c.* Douglas Ross, Ardis Winifred. Student Univ. Minn., 2 terms.

Anderson, Arthur E., assoc. state leader co. agts., Ohio State Univ., Columbus, O.

State leader co. agt. work, Univ. Neb., 1912-7; asst. state leader co. agts., Ohio State Univ., 1917-8; assoc. state leader, 1918–.—*b.* Wayne, Neb., Feb. 1886; *s.* A. G. and Ellen (Rosenberg) A.; reared on farm. A.B., Univ. Neb., 1912. Alpha Zeta.

Anderson, Charles D., instr. voc. agr., high-sch., Dover, Del.

Teach. agr., high-sch., Traverse City, Mich., 2 yrs. (Hort., dairying).—*b.* Manisteque, Mich., Apr. 14, 1893; *s.* Alex and Ida (Peterson) A.; reared on farm. B.S., Mich. Agr. Coll., 1917.

Anderson, Clarence Russell, assoc. prof. for., Penn. State Coll., State College, Pa.

Instr. for., Penn. State Coll., 1914-6; asst. prof., 1916-9; assoc. prof., 1919–. (For manag.).—*b.* Cecil Co., Md., July 23, 1885; *s.* Franklin Pierce and L. Margaret (McAllister) A.; reared on farm; *m.* Doll Jeannette Dupuis, Dec. 12, 1913; *c.* C. R. Jr. B.S., Dickinson Coll., 1908; M.F., Yale For Sch., 1913.

Anderson, Ernest William, co. agrl. agt., Plentywood, Mont.

Teach. rural schs., 1907-9; princ. graded sch., 1910-1; sec.-treas. Anderson Bros. & Co., 1913-6; present position, 1916–. *Ed.*, Sheridan Co. Farm Bur. News. (Agrl. econ.).—*b.* Sheldahl, Ia., Jan. 15, 1883; *s.* Per Gustaf and Annie Carrie (Johnson) A.; reared on farm. B.S.A., N. D. Agr. Coll., 1914.

Anderson, Erwin Oliver, co. agrl. agt., Mt. Clemens, Mich.

Instr. farm manag., Penn State Coll., 1915-7; co. agt., Denton, Md., 1917-9. (Agrl. econ.).—*b.* Shelby, Mich., Dec. 27, 1890; *s.* Gabe and Lena (Nelson) A.; reared on farm. B.S., Mich Agr. Coll., 1914; M.S., Univ. Wis., 1915.

Anderson, Frederick Irving, author, New Boston, Mass.

Mem. staff, N. Y. World, 1898-1908. *Auth.:* The Farmer of Tomorrow, 1913;

Electricity for the Farm, 1915. Traveled in Europe and Cent. Amer. (Farm water power).—*b.* Aurora, Ill., Nov. 14, 1877; *s.* Andrew and Elizabeth (Adling) A.; reared in town; *m.* Emma Helen de Zouche, Mar. 23, 1908. Grad. Wharton Sch., Univ. Penn., 1899.

Anderson, Harry Warren, asst. prof. hort. and asst. chief pom. Exp. Sta., Univ. Ill., Urbana, Ill.
Teach. fellow, Vanderbilt Univ., 1907-8. instr. bot., Wabash Coll., 1908-10; grad research fellow, Shaw Grad. Sch. Bot., 1910-1; prof. bot., Wabash Coll., 1912-7; assoc. hort., 1917-8; present position, 1918–.—*b.* Ladoga, Ind., Oct. 14, 1885; *s.* W. L. and Ora (Johnson) A.; reared on farm; *m.* Elsie Osborne, 1913; *c.* Eleanor Grace. A.B., Wabash Coll., 1907; Ph.D., Univ. Ill., 1917. Sigma Xi.

Anderson, John Columbus, co. agrl. agt., Windsor, N. C.
Instr., Livingston Parish Agrl. High-Sch., La., 1916-7; agrl. agt., Copiah Co., Miss., 1917-8. In U. S. Navy, 1918-9.—*b.* Ellisville, Miss., Apr. 20, 1893; *s.* John T. and Minnie (Sanders) A.; reared in town and on farm. B.S., Miss. A. & M. Coll., 1915.

Anderson, Leroy, farmer, San Jose., Calif.
Asst. dairy ind., Cornell Univ., 1897-1900; instr. dairy ind., Univ. Calif., 1900-2; dir. Calif. Poly. Sch., San Luis Obispo, 1902-8; prof. agrl. practice, Univ. Calif., 1908-13; ext. lect. an. husb., Cornell Univ., winters 1915-9; fruit-grower, Calif., 1914–. Editorial contributor, California Cultivator. (Co-op. marketing, orchard manag.).—*b.* Magee, N. Y., Dec. 4, 1866; *s.* John and Miranda (Allen) A.; reared on farm; *m.* Isabel B. Godin, June 4, 1903; B.S., Cornell Univ., 1896; M.S.A., 1897; Ph.D., 1902. Sigma Xi.

Anderson, Myron Sallee, sci., Bur. Soils, U. S. Dept. Agr., Washington, D. C.
Acting prof. chem., Penn. Coll., 1913-4; asst. chem., Ia. State Coll., 1916-7. General farming, Hamilton Co., Ia., 3 yrs. U. S. Chem. Warfare Serv., 1918. (Soil chem.).—*b.* Stanhope, Ia., Nov. 13, 1887; *s.* August and Frances (Sallee) A.; reared on farm; *m.* Ethel McGranahan, Nov. 14, 1917. A.B., Simpson Coll., 1913; M.S., Ia. State Coll., 1917. Phi Kappa Phi; Phi Lambda Upsilon; Gamma Sigma Delta.

Anderson, Oren Haines, co. agrl. agt., Paulding, O.
Farm manag., Tenn., 1916-7; agrl. adv., First Nat. Bank, Vincennes, Ind., 1917-9; present position, 1919–. (An. nutr.).—*b.* Lapel, Ind., Nov. 19, 1889; *s.* John Walker and Lida (Gibbs) A.; reared on farm; *m.* Rietta Grace Wright, Aug. 29, 1915; *c.* Shirley Louise. B.S.A., Purdue Univ., 1914; M.S.A., 1916. Sigma Xi; Alpha Zeta.

Anderson, Oscar Gustaf, assoc. prof. hort., Purdue Univ., LaFayette, Ind.
Instr. agr., high-sch., Sutton, Mass., 1913-4; instr. pom., Purdue Univ., 1914-7; asst. prof. hort., 1917-9; assoc. prof., 1919–. (Pom.).—*b.* Gardner, Mass., Aug. 5, 1888; *s.* Gustaf and Emma (Swenson) A.; reared on farm. B.S., Mass. Agr. Coll., 1913. Kappa Sigma.

Anderson, Paul Johnson, assoc. prof. bot. and assoc. plant path. Exp. Sta., Mass. Agr. Coll., Amherst, Mass.
Instr. bot., Mass. Agr. Coll., 1915; asst. prof., 1916; assoc. prof., 1916–; assoc. plant path., Exp. Sta., 1916–.—*b.* Ladoga, Ind., Mar. 27, 1884; *s.* Wm. L. and Ora (Johnson) A.; reared on farm; *m.* Helen L. Fisherdick, July 18, 1917. A.B., Johnson Bible Coll., 1908; A.B., Wabash Coll., 1910; Ph.D., Cornell Univ., 1914. Phi Beta Kappa; Sigma Xi.

Anderson, Philip Arthur, asst. prof. an. husb., Univ. Minn., University Farm, St. Paul, Minn.
Instr. an. husb., Univ. Minn., 1915-7; asst. prof., 1917–. Sec.-treas. Minn. Sheep Breeders Assoc.; asst. supt. cattle, Minn. State Fair. (Meats and sheep).—*b.* St. Paul, Minn., May 1, 1890; *s.* Wm. and Augusta A.; reared on farm; *m.* Venise L. Leonard, Aug. 1918. B.S.A., Univ. Minn., 1914. Acacia.

Anderson, Raymond, teach. agr., Mayville, N. Y.
Instr. poultry, St. Lawrence Sch. Agr., 1914-5; princ. and teach. agr., high-sch., Jeffersonville, N. Y., 1916-8; teach. agr., high-sch., Mayville, 1918–.—*b.* Jeffersonville, N. Y., Feb. 10, 1889;

s. E. J. and Julia (Layton) A.; reared on farm; *m.* Marion Kingsley, Aug. 22, 1917. Grad. St. Lawrence Univ., 1914.

Anderson, Rudolph J., chem., N. Y. State Exp. Sta., Geneva, N. Y.

Assoc. chem., N. Y. State Exp. Sta., 1911–. In U. S. Army, 1918-9. (Organic phosphorus compounds in cereals).—*b.* Harna, Sweden, Sept. 13, 1879 (naturalized 1914); *s.* Anders and Johanna (Johanson) A.; reared on farm. B.S., Tulane Univ., New Orleans, 1906; Ph.D., Cornell Univ., 1919.

Anderson, Walter Sewell, prof. genetics, Univ. Ky., Lexington, Ky.

Princ. Alleghany Collegiate Inst., Alderson, W. Va., 1896-1903; prof. chem., Ky. Wesleyan Coll., 1903-13; present position, 1913–. (An. breeding).—*b.* Academy, W. Va., Sept. 18, 1867; *s.* John Mason and Nancy (Williams) A.; reared on farm; *m.* Lester C. Hogsett, June 19, 1901; *c.* Walter Southall, Lindson Pryor, Lester Gayle. M.A., Randolph-Macon Coll., 1896.

Andrews, Frank, chief Div. Crop Records, U. S. Dept. Agr., Kensington, Md.

Lect. on transportation, Geo. Washington Univ., 1916-7. Mem. U. S. Crop Reporting Bd., 1914–. (Agrl. statistics).—*b.* New Albany, Ind., June 25, 1872; *s.* Robt. and Virginia Cayce (Robertson) A.; *m.* Josephine Davis, Aug. 24, 1898; *c.* Herbert Edmund, Joseph Robt., Richard Allen. A.B., Johns Hopkins Univ., 1893.

Andrews, Henry Wilson, co. agrl. agt., Sparta, Tenn.

Farmer, Tenn., 15 yrs. Sec.-treas. Linwood Lamb Club.—*b.* Watertown, Tenn., Sept. 24, 1885; *s.* M. J. and Ida (Turner) A.; reared on farm; *m.* Iona Gilliam, Feb. 22, 1917; *c.* Geo. Wilson. Peabody Coll., 1908; Cumberland Univ. 1912.

Andrews, Lina Maud, home dem. agt., Madill, Okla.

Instr. home econ., high-sch., Idabel, Okla., 1916; emergency home dem. agt., Fairview, 1917; present position, 1918–.—*b.* Elba, Ia., Oct. 4, 1877; *d.* Samuel Lynga and Mary Elizabeth (Dunn) A.; reared on farm. B.S., Okla. A. & M. Coll., 1915.

Andrews, Walter Edwin, lands.-gard., 65 Haller Bldg., Seattle, Wash.

Sr. mem. Howard E. Andrews & Co., lands. designers and planters, 1918–. Assoc. ed. The Farm Journal, Philadelphia, 1905-18. Fruit farmer, Mich., 12 yrs. *Auth.:* The Orchard Book, 1906; The Garden Book, 1908; Shall I Farm, 1910.—*b.* Cleveland, O., Jan. 31, 1866; *s.* Theo. A. and Marie L. (Provost) A.; *m.* Flora A. Stevens, May 31, 1888; *c.* Grace A., Howard E.

Angell, Elizabeth Knickerbocker, home bur. manag., Oswego, N. Y.

Instr. dom. sci., Y. W. C. A., Charlotte, N. C., 1914-5; instr. dom. sci. and art, Y. W. C. A., Orange, N. J., 1915-6; home dem. agt., Fairfield Co., Conn., 1917-8.—*b.* Waverly, N. Y., Mar. 12, 1892; *d.* Jas. E. and Ella P. (Knickerbocker) A.; reared in town. Grad. Mechanics Inst., Rochester, N. Y., 1914.

Ankeney, John Velte, asst. prof. agrl. educ., Univ. Minn., University Farm, St. Paul, Minn.

Teach. rural schs., 1908-11; teach. agr. and sci., Pleasant Garden Rural Life High-Sch., 1914-5; teach. agrl. educ. and manual training, Glenville, W. Va., 1915-7; asst. prof. agrl. educ., Miami Univ., Feb.-Sept., 1917; present position 1917–.—*b.* Germantown, O., June 9, 1890; *s.* Henry H. and Mary Marie (Velte) A.; reared on farm; *m.* Nelle M. Galbreath, July 13, 1914; *c.* Jas. Henry, Mary Elizabeth, Marsena Pauline, John V. Jr B.S., Miami Univ., 1915. Phi Delta Kappa.

Anspon, Berthold Winfried, supt. Granogue Farms, Inc., Granogue, Del.

Asst. prof. hort., Miss. A. & M. Coll., 1910-2; assoc. prof. flor. and lands. gard., Md. Agr. Coll., 1912-8; present position, 1918–. Greenhouse work, J. B. Heiss Co., Dayton, O., 1905-6; lands. dept., Nat. Cash Register Co., Dayton, Mar.-Sept. 1906. (Lands. gard.).—*b.* Dayton, O., Dec. 13, 1886; *s.* John B. and Olga N. (Shaffenacker) A.; reared in city; *m.* Emma Bascomb Davis, Nov. 11, 1915; *c.* Harry Davis, Bert. W. Jr. B.S., Ohio State Univ. Gamma Phi; Alpha Pi Upsilon.

Anthony, Ernest Lee, prof. dairy husb., W. Va. Univ., Morgantown, W. Va.

Asst. dairy husb., Penn. State Coll., 1912-4; instr., 1914-6; prof., 1916-8; assoc. prof., 1918; present position, 1919–. *Auth.:* Dairy Laboratory Manual, 1914.—*b.* Comstock, Neb., Sept. 6, 1888; *s.* Homer G. and Anna Elizabeth (Shoush) A.; reared on farm; *m.* Goldie R. Swift, Aug. 7, 1914; *c.* Helen Louise. B.S., Univ. Mo., 1912; M.S., Penn. State Coll., 1914. Gamma Sigma Delta.

Anthony, Roy David, prof. research pom., Penn. State Coll., State College, Pa.

Asst. and instr. pom., Cornell Univ., 1910-3; assoc. hort., N. Y. Agr. Exp. Sta., Geneva, 1913-9; present position, 1919–. (Plant-breeding, pruning, fertilization).—*b.* Rochester, N. Y., Apr. 2, 1884; *s.* Daniel M. and Charlotte R. (Finch) A.; reared in city; *m.* Marian Salisbury, Aug. 8, 1911; *c.* Gertrude Finch, David Salisbury. B.S., Univ. Rochester, 1908; B.S.A., Cornell Univ., 1910; M.S.A., 1913. Phi Beta Kappa; Psi Upsilon; Gamma Alpha.

Anthony, William Gibbeny, poultryman, Smyrna, Del.

b. near Smyrna, Del., Nov. 21, 1877; *s.* Jas. Wallace and Mary (Barker) A.; reared on farm; *m.* Eba Cloke Wilds, Dec. 9, 1915; *c.* Jas. Wolcott. Grad. Goldy Business Coll.; student, Cornell Univ., Mass. Agr. Coll.

App, Frank, chief div. agron. and agrl. econ., Rutgers Coll. and N. J. Exp. Sta., New Brunswick, N. J.

Asst. agron., Penn State Coll., 1911-2; asst. prof. agron., N. H. A. & M. Coll., 1912-3; present position, 1915–. Farm specialist, 1917-8; sec.-treas. N. J. Alfalfa Assoc. *Asst. ed.,* Journal Farm Economics.—*b.* Buffalo Roads, Union Co., Pa., Jan. 26, 1886; *s.* E. S. and Sarah (Miller) A.; reared on farm. B.S. Penn. State Coll., 1911; Ph.D., Cornell Univ., 1919. Sigma Xi; Alpha Gamma Rho; Phi Kappa Phi; Lambda Chi Alpha.

Appleman, Charles Orville, prof. plant physiology and biochem. and dean grad. sch., Md. State Coll., College Park, Md.

Prof. biol., Lombard Coll., Ill., 1904-8; plant physiologist, Md. Exp. Sta., 1910–; present position, 1919–. Chm. physiological sect., Bot. Soc. Amer., 1920–. Fellow A. A. A. S.—*b.* Millville, Pa., Dec. 6, 1878; *s.* Emanuel L. and Elizabeth Jane (Gallispie) A.; reared on farm; *m.* Emma Frances Reeme, 1904; *c.* Katherine Reeme. Ph.B., Dickinson Coll., 1903; Ph.D., Chicago Univ., 1910. Phi Delta Theta.

Aragon, Herminio Montoya, co. agrl. agt., Taos, N. Mex.

b. San Albino, N. Mex., May 5, 1889; *s.* Crispin and Petrita (Montoya) A.; reared on farm; *m.* Josephine Torres, Dec. 16, 1912; *c.* Mary Isabel, Manuel Herminio, Josephine Inez.

Archibald, E. S., dir. Dominion Expl. Farms, Cent. Expl. Farm, Ottawa, Ont.

Prof. agr., N. S. Agr. Coll., 1909-12; Dominion an. husb., 1912-9; present position, 1919–.—*b.* Yarmouth, N. S., May 12, 1885; *s.* E. E. and Mary (Spinney) A.; reared on farm; *m.* L. Louise Moorman, Dec. 16, 1913. B.A., Acadia Univ., Wolfville, N. S., 1905; B.S.A., Toronto Univ., 1908

Archibald, Robert Murray, missionary sec., Methodist Conference, Birmingham, Ala.

Special attention to development of religious, educ., social and econ. interests of rural communities.—*b.* Dickens Co., Ala., Jan. 28, 1869; *s.* Robt. W. and Salena (Herndon) A.; reared on farm; *m.* Loula Freiley, June 22, 1893; *c.* Miriam, Julia Belle, Lambuth, Elizabeth.

Argood, Roy Thomas, instr. poultry husb., Norfolk Co. Agrl. Sch., Walpole, Mass.

Poultry manag., Emmons Farms, Oneonta, N. Y., 2 yrs.; instr. poultry, Mich. Sch. for Deaf, 1 yr., Mooseheart Voc. Sch., 2 yrs., N. Y. State Sch. Agr., Morrisville, 1 term.—*b.* Purdys, N. Y., Feb. 9, 1894; *s.* Thos. and Daisy (Young) A.; reared in country; *m.* Loretta P. Turner, Dec. 9, 1915; *c.* Ethel. Student Cornell Univ., winter, 1913-4.

Armsby, Henry Prentiss, dir. Inst. An. Nutr., Penn. State Coll., State College, Pa.

Instr. chem., Worcester Poly. Inst., 1871-2; teach. high-sch., Fitchburg, Mass., 1874-5; asst. chem., Rutgers Coll., 1876-7; chem., Conn. Exp. Sta.

1877-81; vice-pres. Storrs Agr. Sch., 1881-3; prof. agrl. chem., Univ. Wis., 1883-7; dir. Penn. Exp. Sta., 1887-1907; present position, 1907–. Expert an. nutr., U. S. Dept. Agr, 1898–. Chm. com. on exp. sta. exhibit, World's Fair, Chicago, 1893, Paris Expos., 1900; mem. Comn. on Agrl. Research, 1906-8 Pres. Assoc. Amer. Agr. Colls. and Exp. Stas., 1898-9; pres. Soc. An. Nutr., 1908-11. Mem. Inter-Allied Sci. Food Comn.; mem. Com. on Food and Nutr. of Nat. Research Council. Foreign mem., Royal Acad. Agr. of Sweden: mem. Nat. Acad. Sci. *Auth.:* Manual of Cattle Feeding, 1880; Principles of Animal Nutrition, 1903; Nutrition of Farm Animals, 1917; The Conservation of Food Energy, 1918. —*b.* Northbridge, Mass., Sept. 21, 1853; *s.* Lewis and Mary A. (Prentiss) A.; reared in town; *m.* Lucy A. Harding, Oct. 15, 1878; *c.* Chas. Lewis, Ernest Harding, Sidney Prentiss, Henry Horton, Edward McClellan. B.S., Worcester Poly. Inst., 1871; Ph.B., Yale Univ., 1874; Ph.D, 1879; LL.D. Univ. Wis., 1904.

Armstrong, Lewis Clark, superv. voc. agr., State Bd. for Voc. Educ., Dover, Del.

Instr. Atlantic Co. voc. schs., 3½ yrs. —*b.* Morristown, N. J., Sept. 5, 1885; *s.* L. and M. J. (Clark) A.; reared on farm and in town; *m.* Elsie Mae Cole, Dec. 29, 1916; *c.* Elsie Rose. Grad. Cornell Univ. Alpha Zeta.

Arnett, Ralph Edward, co. agrl. agt., Danville, Ind.

(An. husb., an. nutr.).—*b.* New Richmond, Ind., Dec. 12, 1891; *s.* Albert J. and Elizabeth (McBroom) A.; reared on farm; *m.* Miriam E. Hostetler, June 25, 1918. B.S.A., Purdue Univ., 1914; M.S., Ia. State Coll., 1917. Alpha Gamma Rho; Alpha Zeta; Sigma Delta Chi; Phi Kappa Phi; Gamma Sigma Delta.

Arnold, Ernest Fielding, manag. farm dept., Mercantile Bank and Trust Co., Dyersburg, Tenn.

Govt. farm dem. agt., 1916-7; manag. Patterson Farm, 1918-9. Agrst. Dyersburg Chamber Commerce, 1918. Sec. Dyer Co. Council Agr.; sec. Dyersburg Fruit and Veg. Assoc.—*b.* Winchester, Tenn., Oct. 19, 1885; *s.* J. C. and Martha (Sells) A.; reared on farm; *m.* Olive Harriss; *c.* Berta Elsie, Ernest F. Jr. B.S.A., Univ. Tenn., 1916. Phi Kappa Phi; Alpha Zeta.

Arnold, Jacob Hiram, agrst., Off. Farm Manag., U. S. Dept. Agr., Washington, D. C.

Prof. math., Redfield Coll., S. D., 1891-3; prof. econ. and hist., 1893-1904; banking and farming, 1904-7; present position, 1907–. *Auth.:* Farm Management, 1919. (Geography of farm organizations and practices).—*b.* Defiance, O., June 8, 1864; *s.* F. D. and Mary (Lehman) A.; reared on farm; *m.* Bertha Jean Harris, 1894; *c.* Mary Elizabeth, Anna Harris. A.B., Grinnell Coll., 1891; student Northwestern Univ., 1894; Univ. Chicago, 1896-7.

Arny, Albert Cedric, assoc. agron. in chg. farm crops, Univ. Minn., University Farm, St. Paul, Minn.

Asst. prof. agron., Univ. Minn., 1909-14; present position, 1914–.—*b.* Newport, Minn., Nov. 4, 1877; *s.* Ferdinand and Katrina (Anderson) A.; reared on farm; *m.* Mary K. Hummel, Sept. 5, 1905; *c.* Dorothy W., Frederick P., Deane C. B.S., Univ. Minn., 1909; M.S., 1917. Sigma Xi; Alpha Zeta.

Arrendale, John Virgil, co. agrl. agt., Clayton, Ga.

Princ. Ind. Sch., Rabun Gap, Ga., 1905-6; teach. sci. and mech., 10th Distr. Agrl. Sch., Sparta, Ga., 1908-9; expert farmer, Hayward Indian Sch., Hayward, Wis., 1911. Farm operator. Agt. Rabun Co., 1917–.—*b.* Tiger, Ga., Nov. 13, 1879; *s.* Martin L. and Margaret (Smith) A.; reared on farm; *m.* Tallulah Edwards, June 7, 1906; *c.* Clyde, John Virgil Jr., Ruth, Joe. B.S.A., Univ. Ga., 1905.

Arthur, Joseph Charles, prof. bot. emeritus, Purdue Univ., LaFayette, Ind.

Instr. bot., Univ. Wis., 1879-81; Univ. Minn., 1882; bot., N. Y. Exp. Sta., Geneva, 1884-7; prof. bot., Purdue Univ., 1887; prof. veg. physiology and path. and bot. Exp. Sta., 1888-1915; prof. emeritus, 1915–. Fellow A. A. A. S. Pres. Bot. Soc. Amer., 1902, 1920; pres. Ind. Acad. Sci., 1889. *Auth.:* (with Barnes and Coulter) Handbook of Plant Dissection, 1886; (with MacDougal) Living Plants and Their Properties.

1898; Uredinales in N. Amer. Flora.—*b.* Lowville, N. Y., Jan. 11, 1850; *s.* Chas. and Ann (Allen) A.; *m.* Emily Stiles Potter, June 12, 1901. B.S., Ia. State Coll., 1872; M.S., 1877; Sc.D., Cornell Univ., 1886, Ia. State Univ., 1920. LL.D., Univ. Ia., 1916.

Ashby, Robert C., assoc. ed., James J. Doty Pub. Co., Chicago, Ill.

Asst. prof. an. husb., Univ. Minn.; adj. prof. an. husb., Univ. Neb., 1909-10; supt. farmers' insts., Wash. State Coll., 1910-3; prof. an. husb., 1912-4; field sec. Amer. Poland-China Record Assoc. (Swine husb.).—*b.* Indianola, Ia., Oct. 10, 1882; *s.* A. C. and Elizabeth (Childers) A.; reared on farm; *m.* Marguerite A. Waldorf, Nov. 26, 1910. B.S.A., Univ. Neb., 1908; A.B., Neb. Wesleyan Univ., 1910; M.S., Univ. Minn., 1915. Phi Delta Theta; Alpha Zeta.

Atkeson, Thomas Clark, rep. Nat. Grange, 303 7th St., N. W., Washington, D. C.

Prof. agr., W. Va. Univ., 1891-3; pres. Morris Harvey Coll., 1893-7; prof. agr. and dean Coll. Agr., W. Va. Univ., 1897-1911; prof. an. husb., 1911-4; prof. emeritus, 1914–. Mem. W. Va. State Bd. Agr., 14 yrs.; master W. Va. State Grange, 24 yrs.; overseer Nat Grange, 8 yrs.; now mem. exec. com., Nat. Grange. *Auth.:* Book-keeping for Farmers, 1892; A Catechism of Agriculture, 1910; Semi Centennial History of the Patrons of Husbandry, 1916.—*b.* Buffalo, W. Va., Feb. 15, 1852; *s.* Thos. and Virginia Harris (Brown) A.; reared on farm; *m.* Cordelia Meek, July 8, 1878; *c.* Thos. Zephaniah, Karl Clark, Mary Meek, Leda Cordelia. LL.B., Univ. Ky., 1874; Ph.D., Morris Harvey Coll., 1897.

Atkinson, Alfred, pres. Mont. State Coll., Bozeman, Mont.

Asst. agron., Ia. State Coll., 1902-4; prof. agron., Mont. State Coll., 1904-19; pres., 1919–. Federal Food Adminis. for Mont., 1917. Vice-pres. Amer. Soc. Agron., 1915. Farm operator, 1907-13. —*b.* Seaforth, Ont., Oct. 6, 1879 (naturalized 1911); *s.* Joseph and Isabella (Burns) A.; reared on farm; *m.* Barbara Miller, June 13, 1906. Assoc. diploma, Ont. Agr. Coll., 1901; B.S.A., Ia. State Coll., 1904; M.S., Cornell Univ., 1912; D.Sc., Ia. State Coll., 1920. Sigma Xi.

Atkinson, Davis Watson, co. agrl. agt., Media, Pa.

Farmer, 1913-6; agt. Delaware Co., 1916–.—*b.* Wrightstown, Pa., July 15, 1891; *s.* Edward and Clara A. (Krusen) A.; reared on farm and in town; *m.* Rachel Styer Conrad, May 23, 1914; *c.* Davis W. Jr., Horace Conrad. B.S.A., Penn. State Coll., 1913. Alpha Zeta; Phi Kappa Phi.

Atkinson, Rebecca Maud, home dem. agt., Hampton, Ia.

Ext. lect. home econ., Man. Agr. Coll., 1916-8; home dem. agt., Ia., 1918–; public sch. teach., Man., 5 yrs. Traveled in Europe, 1912.—*b.* Winnipeg, Man., Sept. 28, 1889; *d.* Wm. and Christiana (McKee) A.; reared on farm. Grad., Man. Agr. Coll., 1915; student Teachers' Coll., 1916.

Atkinson, Wilmer, ed. emeritus, Farm Journal, Philadelphia, Pa.

With Howard M. Jenkins started first daily paper in Del. (Wilmington Daily Commercial), 1866; started Farm Journal, 1877. Served in Civil War. Pres. Pa. Men's League for Woman Suffrage.—*b.* Bucks Co., Pa., June 13, 1840; *s.* Thos. and Hannah (Quinby) A.; reared on farm; *m.* Anna Allen, Nov. 28, 1866; *c.* Elizabeth Allen, Emily Q., Gertrude.

Atwater, Charles Edwin, co. agrl. agt., Gladwin, Mich.

b. Ganges, Mich., Jan. 30, 1889; *s.* Edwin Hollis and Emma Nettie (Mack) A.; reared on farm; *m.* Naomia Ella Goodwin, Aug. 10, 1911; *c.* Lela Avis, Chas. Winfield. B.S., Mich. Agr. Coll., 1918.

Atwater, E. Francis, apiarist, Meridian, Ida.

Formerly special field agt. in bee-keeping, U. S. Dept. Agr in Calif., Ariz., N. Mex. Vice-pres. and dir. S. Ida. and E. Ore. Honey Producers Assoc.; former dir. Nat. Bee Keepers Assoc.—*b.* Decatur, Neb., Jan. 18, 1881; *s.* Geo. E and Mary Eva (Forbes) A.; reared in town and country; *m.* Fay Gwendolyn Nesbitt, Feb. 14, 1911; *c.* Fay Marguerite.

Atwater, Helen Woodard, specialist in home econ., Off. Home Econ., U. S. Dept. Agr, Washington, D. C.

Editorial asst. to Prof. W. O. Atwater, 1898-1903; asst. editorial work, Off. Home Econ., 1909-18; chg. editorial work, 1918–. Exec. chm., Dept. Food Production and Home Econ., Women's Com., Council Nat Defense. —*b.* Somerville, Mass., May 29, 1876; *d.* Wilbur Olin and Marcia (Woodard) A; reared in town. B.L., Smith Coll., 1897.

Atwood, Charles Austin, asst. state leader farm bur. work, Univ. Ill., Urbana, Ill.

Farmer and stockman, Peoria Co., Ill., 1913-7; present position, 1917–. Sec. Peoria Co. Farm Bur., 3 yrs.; sec. Peoria Milk Producers Assoc., 2 yrs. —*b.* Peoria, Ill., Feb. 15, 1889; *s.* Chas. L. and Harriet (Gordon) A.; reared on farm; *m.* Myrtle Cromwell, Sept. 19, 1918. B.S.A., Univ. Ill., 1913. Alpha Zeta.

Atwood, Guy Hollis, co. agrl. agt., Long Prairie, Minn.

Instr. agr., Fosston, Minn., 1916-8; co. agt. Todd Co., 1919–. Farmer, Le-Raysville, Pa., 3 yrs. 2nd Lieut. Infantry, 10 mos.—*b.* Le Raysville, Pa., May 23, 1889; *s.* Henry H. and Alice (Bosworth) A.; reared on farm. B.S.A., Ia. State Coll., 1916.

Atwood, Horace, research poultryman, W. Va. Exp. Sta., Morgantown, W. Va.

Instr. agr., Pratt Inst., 1892; asst. agrst., W. Va. Exp. Sta., 1897-1913; poultryman, 1913–. Mem. exec. com., Intern. Assoc. Instrs. and Invests. in Poultry Husb.; formerly pres. Amer. Assoc. Instrs. and Invests. in Poultry Husb.—*b.* Summerhill, N. Y., Aug. 1, 1868; *s.* Calvin and Emeline (Lick) A.; reared on farm; *m.* Susan Davies; *c.* Dorothy, Norman, Geo., Susan, Barbara, Hilda, Horace Jr. B.S.A., Cornell Univ., 1891; M.S.A., 1897.

Atwood, Winfred McKenzie, assoc. prof. bot. and plant path., Ore. Agr. Coll., Corvallis, Ore.

Present position, 1913–. Fellow A. A. A. S.—*b.* Aurelia, Ia., July 25, 1883; *s.* J. R. and Clare (McKenzie) A.; reared on farm and in village; *m.* Louise Kent, July 12, 1910; *c.* Margaret Kent, Dorothy McKenzie. A.B., Cornell Coll., Ia., 1907; A.M., 1910; M.S., Univ. Chicago, 1911; Ph.D., 1913. Sigma Xi; Gamma Sigma Delta.

Aubry, Victor George, expert agrst., N. J. Exp. Sta., New Brunswick, N. J.

Instr. an. husb., Univ. Me., 1912-4; asst. prof., 1913-4; present position, 1914–. Traveled in Europe, 2½ yrs. (Poultry).—*b.* Brooklyn, N. Y., Feb. 25, 1891; *s.* Eugene and Alice (Schinker) A.; reared on farm; *m.* Marcella J. March; *c.* Victor G. Jr. B.S., Conn. Agr. Coll., 1912. Phi Gamma Delta; Alpha Zeta.

Auchter, Eugene Curtis, head dept. hort., Md. State Coll., College Park, Md.

Asst. in pom. (short-course), Cornell Univ. 1911; instr. hort., W. Va. Univ., and asst. hort. Exp. Sta., 1912-4; asst. prof., 1914-7; assoc. prof., 1917-8; present position, 1918–. (Pom. invests.).—*b.* Elmgrove, N. Y., Sept 14, 1889; *s.* Wm. D. and Florence Monroe (Curtis) A.; reared on farm; *m.* Catherine Elizabeth Beaumont, Aug. 25, 1914. B.S.A., Cornell Univ., 1912; M.S.A., 1918. Sigma Xi; Alpha Zeta.

Augustine, Archie M., nurseryman and hort., Normal, Ill.

Sec. Cent. Ill. Hort. Soc., 1894-5, pres., 1909-11; sec. Ill. State Hort. Soc., 1914–; pres. Ill. State Nurserymens Assoc. Traveled in S. Amer., 4 yrs.; Mex., 1 yr., Europe.—*b.* Pontiac, Ill., Nov. 10, 1869; *s.* Henry and Margaret E. (Gapen) A.; reared in town; *m.* Belle C. Marsh, 1895; *c.* Frances M., Areta M.

Auld, Francis Hedley, deputy Minister of Agr., Regina, Sask.

Dir. agrl. ext., Univ. Sask., 1910-2; sec. Mooney Seed Co., 1912-4. Vice-pres. W. Canada Live Stock Union. (Agrl. administration).—*b.* Cove Head, P. E. I., June 14, 1881; *s.* David Higgins and Elizabeth (Cairns) A.; reared on farm; *m.* Lily Smith, July 5, 1911; *c.* David Gordon, Walter Murray, Frank Mantle. Grad. Prince of Wales Coll., 1899.

Aull, William Barre, assoc. prof. bact., Clemson Agr. Coll., Clemson College, S. C.

Princ. Pendleton high-sch., 1908-9; seed analyst, S. C. State Dept. Agr.,

1910-1; asst. bot., Clemson Agr. Coll., 1912-5; asst. prof. bact., 1915-7; assoc. prof., 1917-.—*b.* Newberry, S. C., Mar. 24, 1887; *s.* Wm. Benj. and Mary E. (Barre) A.; reared on farm and small town. B.S., Clemson Agr. Coll., 1907; student Univ. Va., 1909-10.

Ausen, Julius, co. agrl. agt., Owatonna, Minn.
Farming to 1913; dairy ext. work, 1913-.—*b.* Mondovi, Wis., Apr. 2, 1891; *s.* John and Marie A.; reared on farm; *m.* Ethel Stockman, Oct. 4, 1916; *c.* Anna Marjorie. Grad. Menomonie, Wis., 1911.

Aust, Franz A., assoc. prof. lands. design, Univ. Wis., Madison, Wis.
Asst. lands. design., Univ. Mich., 1912-3; instr., Univ. Ill., 1913-5; present position, 1915-. (Farm planning, rural community center planning). —*b.* Defiance, O., May, 1885; *s.* August and Hermina (Herolz) A.; *m.* Mabel A. Armstrong, Aug. 26, 1914; *c.* Alden Franz, Lucile Bernice. B.A., Univ. Minn., 1908; M.S., 1910. Tau Delta Sigma; Phi Delta Kappa.

Austin, William Lane, chief statistician for agr., cotton, tobacco, Bur. Census, Washington, D. C.
Statistician, census of plantations, 1910; chief clerk of census, 1913-7; statistician, 1917-.—*b.* Miss., Jan. 25, 1871; *s.* R. P. and Sue D. (Lane) A.; reared on farm and in village; *m.* D. Campbell, Dec. 29, 1903. Ph.B., Univ. Miss., 1897; LL.B., 1898. Phi Kappa Psi.

Avery, Herman W., farmer, Wakefield, Kans.
Mem. Kans. Senate, 1909-11; mem. State Bd. Agr., State Fair Bd., exec. com., State Farm Bur.—*b.* Wakefield, Kans., May 26, 1870; *s.* Henry and Orpha (Farnman) A.; reared on farm; *m.* Hattie Coffman, June 1, 1898; *c.* Margaret, Herbert W., Wm. H. B.Sc., Kans. State Agr. Coll., 1891. Phi Kappa Phi.

Ayers, Cora, home dem. agt., Floresville, Tex.
Grade teach., De Leon Sch., 1917-8. —*b.* De Leon, Tex., Oct. 9, 1895; *d.* C. R. and Laura Western (Neal) A.; reared on farm. B.S., Coll. Ind. Arts, Denton, Tex., 1919.

Ayers, Ed Lee, chief insp. orchards and nurseries, Tex. Dept. Agr., and chg. citrus canker eradication, Houston, Tex.
b. De Leon, Tex., Oct. 2, 1892; *s.* C. R. and Laura (Neal) A.; reared on farm; *m.* Bertha Blumberg, Oct. 27, 1917. B.S., Tex. A. & M. Coll., 1914.

Ayers, S. Henry, bact., Dairy Div., U. S. Dept. Agr., Washington, D. C.
Asst. bact., Univ. Chicago, 1905-6; present position, 1908-. (Bact. of milk). —*b.* Greenland, N. H., Feb. 17, 1884; *s.* Mark W. and Belle Florence (Folsom) A.; reared on farm. S.B., Mass. Inst. Tech., 1905. Sigma Xi.

B

Baade, Hermann Joseph, co. agrl. agt., Napa, Calif.
Princ. Wynnewood, Okla., high-sch., 1910-1; instr. sci., Sweet Grass Co. high-sch., 1911-2; instr. sci. and math., San Diego Army and Navy Acad., 1912-3; teacher sci. and agr., Napa high-sch., 1913-4; Napa Co. farm adv. and co. agt., 1914-.—*b.* Tulare, S. D., Sept. 5, 1887; *s.* Heinrich and Henrietta (Kuhlmann) B.; reared on farm; *m.* Carrie H. Tissin; *c.* Robt. Tissin. B.S., Okla. A. & M. Coll., 1910; grad. work, Univ. Calif.

Babcock, Ernest B., prof. genetics, Univ. Calif., Berkeley, Calif.
Instr. agr., Los Angeles State Normal Sch., 1906-7; instr. plant path., Univ. Calif., 1907-8; asst. prof. agrl. educ., 1908-13; prof. genetics, 1913-. Mem. ed. com., Univ. Calif. pub. in agrl. sci. *Auth.:* Genetics in Relation to Agriculture, 1918 (with Clausen). (Plant genetics, Crepis).—*b.* Edgerton, Wis., July 10, 1877; *s.* Emilius W. and Mary E. (Brown) B.; reared in small town; *m.* Georgia Bowen, June 24, 1908. B.S., Univ. Calif., 1906; M.S., 1911. Phi Beta Kappa; Sigma Xi; Alpha Zeta.

Babcock, Frank Ray, co. agrl. agt., Crosby, N. D.
Chg. cereal invest., Substa. Farm, Williston, N. D., 1908-17.—*b.* Hastings,

Mich., Feb. 28, 1882; *s.* Alva De Wayne and Alice Mary (Powers) B.; reared on farm; *m.* Gracia Loverna Kelsey, Nov. 10, 1910. B.S.A., N. D. Agr. Coll., 1908.

Babcock, Howard Edward, farm manag., Ithaca, N. Y.

Teach. agr., Albion high-sch., 1911-2; teach. biol., Elmira high-sch., 1912-3; agrl. agt., Cattaraugus Co., 1913-4; agrl. agt., Tompkins Co., 1914-5; asst. farm bur. dir., 1915-7; dir., 1917-20; dir. Bur. Food Conservation, State Food Comn., 1917–. Fed. farm help specialist for U. S. Dept. Agr. Sec. N. Y. State Fed. of Farm Bur. Assocs. (Rural organizations).—*b.* Gilbertsville, N. Y., Feb. 23, 1889; *s.* Howard W. and Mary E. (Donahue) B.; reared on farm; *m.* Hilda W. Butler, Oct. 23, 1913; *c.* Howard E. Jr., B.S., Syracuse Univ., 1911. Delta Chi.

Babcock, Seth, co. agrl. agt., Cape Girardeau, Mo.

Farmer, Kans., 1904-9; prof. agr., Atchinson Co. High-Sch., Kans., 1910-1; prof agr., Southeast Mo. State Teachers Coll., 1911-8; present position, 1918–. *Ed.*, Cape Girardeau Co. Farm Bur. News.—*b.* Iowa Co., Ia., Nov. 29, 1876; *s.* F. E. and Lily M. (Davis) B.; reared on farm; *m.* Minnie Reno, Apr. 1, 1901; *c.* Fern, Dale, Glen, Cecil, Keith. A.B., Kans. Univ., 1901; student Kans. State Agr. Coll., 1909-10.

Babcock, Stephen Moulton, prof. agrl. chem. emeritus, Univ. Wis., Madison, Wis.

Instr. chem., Cornell Univ., 1875-7, 1881-2; chem., N. Y. Exp. Sta., Geneva, 1882-8; prof. agrl. chem., Univ. Wis., 1888-1913; emeritus, 1913–; chief chem., Wis. Exp. Sta., 1888-1913; asst. dir., 1901-13. Fellow A. A. A. S. Developed the "Babcock test" for butter-fat.—*b.* Bridgewater, N. Y., Oct. 22, 1843; *s.* Peleg B. and Cornelia (Scott) B.; *m.* May Crandall, Oct. 27, 1896. A.B., Tufts Coll., 1866; Ph.D., Univ. Goettingen, 1879; LL.D., Tufts Coll., 1901; Sc.D., Univ. Wis., 1917.

Bachtell, Myron Ansel, prof. ext. serv. in soil fert., Ohio State Univ., Columbus, O.

Present position, 1911–.—*b.* Medina, O., Dec. 23, 1886; *s.* Samuel and Melva M. (Bowen) B.; reared on farm. B.S.A., Ohio State Univ., 1911. Alpha Zeta.

Back, Ernest Adna, ent. in chg. stored product and household insect invests., Bur. Ent., U. S. Dept. Agr., Washington, D. C.

Deputy nursery insp., Mass., 1902-6; with Gipsy Moth Comn., summers 1905-6; instr. ent., short-course, Mass. Agr. Coll., 1905-6; instr. bot., Mass. Agr. Coll., 1906-7; invests. citrus white flies in Fla., U. S. Bur. Ent., 1907-10; state ent., plant path. Va. Crop Pest Comn., ent. Va. Exp. Sta., 1910-2; field chg. invests. Mediterranean fruit-fly and melon fly in Hawaiian Isls., U. S. Bur. Ent., 1912-6; present position, 1916–. Traveled in Cuba, Mex., Hawaii, Spain. (Asilidae).—*b.* Northampton, Mass., Oct. 7, 1880; *s.* Adna and Mary Elizabeth (Young) B.; reared in town; *m.* Clara Winifred Newcomb, Sept. 27, 1919. B.Sc., Mass. Agr. Coll., 1904; Ph.D., 1907. Phi Kappa Phi; Alpha Sigma Phi.

Backstrom, John Floyd, co. agrl. agt., Fayetteville, Ark.

Asst. agron., Miss. A. & M. Coll., 1914-6; prof. agr., Bolton Coll., Brunswick, Tenn., 1916-7; present position, 1917–. Sec. Washington Co. Beekeepers Assoc.; sec. Northwest Ark. Sheep and Goat Breeders Assoc.—*b.* Richton, Miss, May 31, 1888; reared on farm; *m.* Jessie Anderson, Aug. 7, 1918. B.S.A., Miss. A. & M. Coll., 1914.

Baer, Arthur Christopher, prof. dairy husb., Okla. A. & M. Coll., Stillwater, Okla.

Asst. dairy dept., Univ. Wis., 1911-2; instr., 1912-6; present position, 1918–. (Researches in ice cream manufacture and market milk).—*b.* Washington Co., Wis., Feb. 4, 1884; *s.* Nicholas and Helena (Bauer) B.; reared on farm; *m.* Anna Riesch, Nov. 20, 1911 (d. 1912); 2d, Flora M. Brandenburg, Sept. 19, 1914; *c.* Virginia Myrtle. B.S.A., Univ. Wis., 1911. Alpha Zeta.

Baer, Philip Jr., farmer, Dover, O.

b. Dover, O., Sept. 28, 1870; *s.* Philip and Sarah A. (Welty) B.; reared on farm; *m.* Anna L. Underwood, Mar. 3, 1898. B.S.A., Ohio State Univ., 1897.

Bagwell, J. F., distr. agrl. agt., College Station, Tex.

Teach. rural schs., 5 yrs.; teach. math., high-sch., Center, Tex., 1 yr.; teach. agr., high-sch., Joaquin, 2 yrs.—*b.* Gwinette Co., Ga., Aug. 8, 1879; *s.* J. N. and Mary B.; reared on farm; *m.* Clara Duke, Sept. 4, 1904.

Bailey, Clyde H., assoc. prof. agrl. biochem., Univ. Minn., University Farm, St. Paul, Minn.

Asst. in grain standardization, U. S. Dept. Agr., 1907-11; present position, 1911–. (Chem. and tech. milling and baking).—*b.* Minneapolis, Minn., Apr. 15, 1887; *s.* Geo. W. and Sophie A. (McKenney) B.; reared in city; *m.* Annie L. Wilkins, June 20, 1910; *c.* Barbara Anne. B.S.A., N. D. Agr. Coll., 1913; M.S., Univ. Minn., 1916. Sigma Xi; Alpha Zeta; Gamma Sigma Delta.

Bailey, Elbert Gladstone, instr. agr., Halifax Co. Agrl. High-Sch., Turbeville, Va.

Farm manag., Mass., 4 yrs.; farmer, Va., 3 yrs. Princ. Dan River High-Sch., 1918-9; present position, 1919–. (Dairy husb. and farm manag.).—*b.* Boltonville, Wis., Feb. 12, 1892; *s.* Wm. H. and Frances (Hedding) B.; reared on farm; *m.* Margaret A. Steinle, June 20, 1912; *c.* Francis Steinle, Ruth Wilson. B.S.A., Univ. Wis., 1912. Kappa Phi Gamma; Alpha Zeta.

Bailey, Ernest Winfield, asst. prof. pom. and asst. chief pom. and plant-breeding, Univ. Ill., Urbana, Ill.

Asst. instr. pom., Mass. Agr. Coll., 1908; instr. pom., Univ. Ill., 1909-11; assoc., 1911-4; present position, 1914–. —*b.* Worcester, Mass., Mar. 28, 1885; *s.* Henry Densmore and Ella Elizabeth (Ware) B.; reared on farm and in city; *m.* Edith Amy Bullock, Sept. 14, 1910; *c.* Winfield Henry, Muriel Elizabeth. B.S., Mass. Agr. Coll. and Boston Univ., 1908; M.S., Univ. Ill., 1909; grad. student, Univ. Calif., 1918. Sigma Xi; Kappa Sigma; Phi Kappa Phi.

Bailey, Ilena May, asst. in chg. home manag. studies, Off. Home Econ., U. S. Dept. Agr., Washington, D. C.

Teach. rural schs., Riley Co., Kans., 1900-6, 1907-8; chg. inst. work for farm women, Mo. State Bd. Agr., 1909-11; field work in farm home manag., Univ. Mo., 1911-2; expert, Off. Farm Manag., U. S. Dept. Agr., 1912-5; present position, 1915-6, 1917–; home dem. agt., St. Joseph Co., Mich., 1916-7.—*b.* Manhattan, Kans., Feb. 21, 1882; *d.* Clarence De Witt and Hattie (King) B.; reared on farm and in town. B.S.A., Univ. Mo., 1912.

Bailey, Liberty Hyde, auth. and editor, Ithaca, N. Y.

Prof. hort. and lands. gard., Mich. Agr. Coll., 1885-8; prof. hort., Cornell Univ., 1888-1903; dean and dir. Coll. Agr., 1903-13. Awarded Veitchian Medal, Royal Hort. Soc., 1898; chm. Roosevelt Comn. on Country Life, 1908. Fellow A. A. A. S., and Amer. Acad. Arts and Sci.; mem. Amer. Phil. Soc., and Nat. Acad. Sci.; hon. mem. Royal Hort. Soc. London, Hort. Soc. Norway, Japan Agrl. Soc., Hort. Soc. Japan. Pres. Amer. Pom. Soc., 1917–. *Auth.:* Annals of Horticulture, 1889-93 (5 vols.); Plant-Breeding, 1895, rev. 5th ed. by A. W. Gilbert, 1915; Survival of the Unlike, 1896; Forcing-Book, 1897; Principles of Fruit-Growing, 1897, rev. 20th ed. 1915; Principles of Agriculture, 1898; Evolution of Our Native Fruits, 1898; Lessons with Plants, 1898; First Lessons with Plants, 1898; Botany, An Elementary Text for Schools, 1900; Practical Garden-Book, 1900 (with C. E. Hunn); Principles of Vegetable-Gardening, 1901; The Nature-Study Idea, 1903, rev. 3d ed. 1909; Outlook to Nature, 1905, rev. 1911; The State and the Farmer, 1908; The Training of Farmers, 1909; Beginners' Botany, 1909; Manual of Gardening, 1910 (founded on Garden-Making, first pub. in 1898); Farm and Garden Rule-Book, 1911 (founded on The Horticulturist's Rule-Book, first pub. in 1889); The Country-Life Movement, 1911; York State Rural Problems I, 1913, II, 1915; The Holy Earth, 1915; Pruning-Manual, 1916 (being 18th ed. of Pruning-Book, first pub. 1898); Nursery-Manual, 1920 (being the 22nd ed. of the Nursery-Book, first pub. in 1891); Wind and Weather (verse), 1916; Universal Service, 1918; Rus 1918 and 1920; What is Democrary? 1918; and others. *Ed.*, American Garden, 1890-93; first ed. Country Life in America, 1901-3; Cyclopedia of American Horticulture, 4 vols.; Cyclopedia of American Agriculture, 4 vols.; Stand-

ard Cyclopedia of Horticulture, 6 vols.; Rural Science Series; Rural Text-Book Series; Rural Manual Series; Rural State and Province Series; Open Country Series. (Systematic bot.).—*b.* S. Haven, Mich., Mar. 15, 1858; *s.* Liberty Hyde and Sarah (Harrison) B.; reared on farm; *m.* Annette Smith, June 6, 1883; *c.* Sara May, Ethel Zoe. B.S., Mich. Agr. Coll., 1882; M.S., 1886; LL.D., Univ. Wis., 1907; Alfred Univ., 1908; Litt.D., Univ. Vt, 1919. Sigma Xi; Phi Delta Theta.

Bain, Jesse Burdette, dairy husb., U. S. Dept. Agr., Washington, D. C.
Instr. an. husb., Cornell Univ., 1913-4.—*b.* Kennedy, N. Y., Mar. 27, 1862; *s.* Alonzo and Arvilla E. (Morse) B.; reared on farm; *m.* Edna Wallace Hare, Mar. 30, 1910; *c.* Mary Burdette. A.B., Univ. Mich., 1907.

Baird, Harry Silversides, asst. prof. dairy ind., Univ. Calif., Davis, Calif.
Sec.-treas. Western Dairy Instr. Assoc.—*b.* Marquette, Kans., June 6, 1888; *s.* Olin Wilber and Lottie Charlotte (Rink) B.; reared on farm; *m.* Edna May Beaulieu, June 4, 1913; *c.* Frederic Silversides. B.S.A., Kans. State Agr. Coll., 1911. Kappa Delta Phi.

Baker, A. Flem, co. agrl. agt., Elkton, Ky.
b. near Platte City, Mo., Jan. 27, 1893; *s.* Dillard and Mary E. (Offutt) B.; reared on farm; *m.* Grace Pearl Cooper, Apr. 26, 1917. B.S.A., Univ. Mo., 1917.

Baker, Arthur Challen, ent., Bur. Ent., U. S. Dept. Agr., Washington, D. C.
Expert, U. S. Bur. Ent., 1911; specialist, 1915; ent. asst., 1915; ent., 1919–. Fellow A. A. A. S. *Ed.*, Proceedings Ent. Soc. of Washington (Bionomy and taxonomy of the Aphididae and Aleyrodidae).—*b.* Belleville, Ont., Feb. 5, 1885; *s.* Jacob J. and Ida E. (Fitch) B.; reared in town; *m.* Ruth Thornton Stoddard, 1914; *c.* Wenona Jean. B.S.A., Ont. Agr. Coll. and Univ. Toronto, 1911; Ph.D., George Washington Univ., 1918.

Baker, Charles Fuller, prof. and dean Coll. Agr., Univ. Philippines, Los Banos, P. I.
With Colo. Agr. Coll. and Exp. Sta., 1892-6; Ala. Poly. Inst. and Exp. Sta., 1897-9; cent. high-sch., St. Louis, 1899-1901; Pomona Coll., 1903-4, 1908-12; Estacion Central Agronomica de Cuba, 1907-8; Bot. Gard., Paru, Brazil, 1908; Univ. Philippines, 1912-6, 1918–; Bot. Gard., Singapore, 1917. Fellow A. A. A. S. Has been assoc. ed. Invertebrata Pacifica, Pomona Journal Ent., Pomona Journal Econ. Bot., Philippine Agriculturist, Philippine Journal Science, Philippine Agrl. Review. (Trop. agron.).—*b.* Lansing, Mich., Mar. 22, 1872; *s.* J. Hannard and Alice (Potter) B.; reared in village. B.S., Mich. Agr. Coll.; M.A., Stanford Univ. Phi Delta Theta.

Baker, Charles Walter, co. agrl. agt., Kingstree, S. C.
b. Marion, S. C., Sept. 9, 1892; *s.* Jas. Robt. and Mary (Monroe) B.; reared on farm. B.S., Clemson Agr. Coll., 1914.

Baker, Charlotte Agnes, librarian, Colo. Agr. Coll., Ft. Collins, Colo.
Apprentice, public library, Denver, Colo., 1894-5; asst., 1895-1900; librarian, N. Mex. A. & M. Coll., 1900-6; asst. librarian, Colo. Agr. Coll., 1906-10; librarian, 1910–; in chg. library summer-sch., 1918–. Vice-pres. Colo. Library Assoc., 1896-7; pres., 1912-3; sec. Colo. State Library Comn. Traveled in Hawaii and Mex. (Agrl. documents).—*b.* Racine, Wis., May 15, 1867; *d.* Wm. Van Ness and Sarah Frances (Terry) B.; reared in city. Grad. N. Y. State Normal Coll., 1891; special student, Colo. Coll., 1893.

Baker, Ernest Leroy, co. agrl. agt., Batavia, N. Y.
Farm manag., 1909–; employed Adv. Registery Assoc., 1908-9; asst. Tompkins Co. Survey; teach. agr., Perry, N. Y., 1912-7; agt. Genesee Co., 1917–.—*b.* New Hudson, N. Y., Feb. 5, 1884; *s.* Benton H. and Carrie M. (Harris) B.; reared on farm; *m.* Ethel R. Brower, June, 1915. B.S.A., Cornell Univ., 1909.

Baker, Herbert Jonathan, dir. agrl. ext. serv., Conn. Agr. Coll., Storrs, Conn.
Asst. instr. agron., Mass. Agr. Coll., 1911-2; sec. to dir. Mass. Exp. Sta., 1911-2; asst. co. agt. leader and farm

manag. dem., Mass. Agr. Coll., 1912-5; present position, 1915–. Dir. farmers' inst. for Conn. Mem. exec. com., Amer. Farm Manag. Assoc., 1915-6. Dir. A. E. F. Farm Sch., Allerey, France.—*b.* Selbyville, Del., Apr. 15, 1885; *s.* Seth M. and Margaret E. (Holloway) B.; reared on farm; *m.* Martha Chaplin Noyes, Oct. 7, 1916; *c.* Jonathan Chaplin. B.S., Mass. Agr. Coll. Kappa Sigma.

Baker, Oliver Edwin, geographer, Off. Farm Manag., U. S. Dept. Agr., Washington, D. C.

(Agrl. geography and land utilization).—*b.* Tiffin, O., Sept. 10, 1883; *s.* Edwin and Martha (Thomas) B.; reared in small town. B.Sc., Heidelberg Coll., Tiffin, O., 1903; M.Sc., 1904; M.A., Columbia Univ., 1905; student Yale For. Sch., 1907-8; Univ. Wis., 1908-12, 1919-20.

Baker, Paul Swarr, farmer, Landisville, Pa.

Asst. agron., Penn. State Coll., 1915-7; farming, 1917–. (Tobacco and steer feeding).—*b.* near Landisville, Pa., Mar. 28, 1894; *s.* Phares W. and Elizabeth (Swarr) B.; reared on farm; *m.* Mary C. Trout, Jan. 3, 1918; *c.* Mary Elizabeth. B.S., Penn. State Coll., 1915. Alpha Zeta; Phi Kappa Phi.

Baker, Raymond K., prof. poultry husb., Univ. Sask., Saskatoon, Sask.

Teach. public schs., 1902-3; rancher, Medicine Hat, Alta., 1903-6; homesteader, Waseca, Sask., 1906-13; asst. prof. poultry husb., Univ. Sask., 1913-6; prof., 1916–.—*b.* Trenton, Ont., Nov. 17, 1876; *s.* Wm. F. and Frances Anne (Funnell) B.; reared on farm; *m.* Lena Myrtle McGee, Apr. 3, 1907; *c.* Bryan R., Constance R., Frances Beth. Wm. Herbert. B.A., Univ. Man., 1900.

Baker, Warren Sears, co. agrl. agt., Brockton, Mass.

Instr. agron., summer sch., Mass. Agr. Coll., 1915; truck farmer, Fla., 1915-7. Sec.-treas. S. E. Mass. Berkshire Club, 1919-20. (Agron.).—*b.* Wollaston, Mass., Mar. 24, 1891; *s.* Chas. Thatcher and Ruth Lillian (Ridings) B.; reared in town and on farm; *m.* Hannah Mary Griffin, Jan. 10, 1916; *c.* Warren S. Jr., John Griffin. B.S., Mass. Agr. Coll., 1914.

Balcomb, Ernest Elwell, head dept. agr., State Normal Sch., Arcata, Calif.

State fertilizer insp., Univ. Calif., 1903-5; dept. agr., State Normal Sch., Weatherford, Okla., 1905-8; chg. dept. agr. for public schs., Okla. A. & M. Coll., 1908-9; state lect. on agrl. educ., Neb. State Dept. Educ., 1909; head dept. rural econ., State Normal and Ind. Coll., Greensboro, N. C. Mem. Nat. Council Educ., N. C. Acad. Sci. Pres. Dept. Rural and Agrl. Educ., Nat. Educ. Assoc.; sec. Nat. Com. on Agrl. Educ., 6 yrs.; mem. com. to confer with Pres. Roosevelt on agrl. educ., 1908. (Rural sociol.).—*b.* Broom Co., N. Y., June 3, 1866; *s.* Francis and Lydia (Goodnoo) B.; reared on farm; *m.* Alona Wixson, Sept. 4, 1894. A.B., Stanford Univ., 1903; grad. student, Harvard Univ., Univ. Calif., Teachers' Coll., Columbia Univ.

Balderston, Robert Walter, farmer, Kennett Square, Pa.

Sec. Inter-State Milk Producers Assoc.—*b.* Kennett Square, Pa., June 25, 1882; *s.* John L. and Anna E. (Marshall) B.; reared on farm; *m.* Martha W. Trimble, Sept. 8, 1910; *c.* Walter, Ruth T., Margaret, Elizabeth.

Baldinger, Harold Eugene, co. agrl. agt., Newton, N. J.

Instr. dairying, Mass. Agr. Coll., 1914-6; manag. Tait Bros. Creamery Products Co., 1916-7; dir. agr., Milford distr., Del., 1918; present position, 1918–. Pres. Branchville Fair Assoc., N. J.; sec. Sussex Co. Sheep Breeders Assoc. *Ed.*, Sussex Co. Farm Bur. News. (Dairying).—*b.* Detroit, Mich., May 28, 1892; *s.* John J. and Nellie (Geimer) B.; reared on farm; *m.* Elsie Helen Voight, Oct. 9, 1915; *c.* Barbara Smith. B.S., Cornell Univ., 1914.

Baldwin, Frank D., breeder pure bred Duroc-Jersey hogs, Bath, Ill.

General farming, 1906-15; agrl. agt., Mason Co., Ill., 1915-9. Co. chm. production com., Red Cross Drive.—*b.* Ipava, Ill., Nov. 14, 1881; *s.* J. J. and Mary (Duncan) B.; reared on farm; *m.* Nellie Wayne Porter, Oct. 31, 1909; *c.* John Porter, Frances Louise. B.S., Univ. Ill., 1906. Alpha Zeta.

Baldwin, Robert James, dir. ext., Mich. Agr. Coll., E. Lansing, Mich.

Teach. sci., Traverse City high-sch., 1907-9; asst. to Dean Agr., Mich. Agr. Coll., 1910-3; ext. dir., 1913–.—*b.* Brown City, Mich., Oct. 31, 1883; *s.* James and Priscilla (Peart) B.; reared on farm; *m.* Bertha L. Van Orden; *c.* Dorothy Jane, Robt. J. Jr., Katherine Louise. B.S., Mich. Agr. Coll., 1904.

Ball, Carleton Roy, cerealist in chg. Off. Cereal Invest., U. S. Dept. Agr., Washington, D. C.

Asst. bot., Ia. State Coll., 1896-8; asst. agrostologist, U. S. Dept. Agr., 1899-1906; agron., 1906-18. Fellow A. A. A. S. Sec. Amer. Soc. Agron., 1909-14, pres., 1916. (Wheat, grain sorghums; taxonomy of willows and grasses).—*b.* Little Rock, Ia., June 12, 1873; *s.* Leroy Augustus and Mary (Mansfield) B.; reared on farm; *m.* Bertha F. Steward, June 14, 1904; *c.* Carolyn Steward, Robt. Steward. B.Sc., Ia. State Coll., 1896; M.Sc., 1899; D.Sc., 1920. Phi Kappa Phi.

Ball, Elmer Darwin, prof. zool. and ent., Ia. State Coll., and state ent., Ames, Ia.

Asst. zool. and ent., Ia. State Coll., 1895-7; assoc. prof., Colo. Agr. Coll., 1897-1902; prof., Utah Agr. Coll., 1902-7; dean Sch. Agr., dir. Exp. Sta., 1907-17; state ent., Wis., 1917-8; present position, 1918–. Fellow A. A. A. S. Pres. Utah Acad. Sci., 1910; pres. Pacific Slope Assoc. Econ. Ent., 1917; pres. Amer. Assoc. Econ. Ent., 1918. Mem. State Hort. Comn. of Utah; mem. State Bd. Horse Comnrs. of Utah. Asst. Sec. Agr., 1920–. (Homoptera).—*b.* Athens, Vt., Sept. 21, 1870; *s.* Leroy A and Mary (Mansfield) B.; reared on farm; *m.* Mildred R. Norvell, June 14, 1899. B.S., Ia. State Coll., 1895; M.S., 1898; Ph.D., Ohio State Univ., 1907. Sigma Xi; Phi Kappa Phi; Gamma Sigma Delta.

Ballantyre, Alando B., co. agrl. agt., Thatcher, Ariz.

Instr. Utah Agr. Coll. and supt. S. Utah Exp. Farm, 1910-4; co. agt. Utah Co., 1914-6; agt. Graham-Greenlee Co., Ariz., 1916–. (Viticulture, Persian walnuts).—*b.* Draper, Utah, July 18, 1884; *s.* Richard Alando and Mary Ann (Stewart) B.; reared on farm and in town; *m.* Mary Ann Jones, July 1, 1914; *c.* Imogen, Alando J., Merle. B.S., Utah Agr. Coll., 1910.

Ballard, Clinton Vede, co. agrl. agt., Iron Mountain, Mich.

b. near Ithaca, Mich., Oct. 29, 1887; *s.* Chas. and Helen (Pierce) B.; reared on farm; *m.* Marjorie George, Dec. 30, 1914; *c.* Mary Elizabeth, Marjorie Jean, Robt. Cole. B.S., Mich. Agr. Coll.

Ballard, Walter Raymond, asst. prof. pom., Md. State Coll., and small-fruit invests. Exp. Sta., College Park, Md.

Asst. hort., Md. State Exp. Sta., 1906-11; pom., 1912-8; emergency dem. agt. and garden specialist, States Relations Serv., College Park, Md., 1918-9; present position, 1919–.—*b.* McLean Co., Ill., May 8, 1878; *s.* James H. and Mina E. (Holcomb) B.; reared on farm; *m.* Gertrude Emerson Long, Sept. 22, 1918; *c.* Emilie Margaret. B.S., Kans. State Agr. Coll., 1905.

Ballard, William Salisbury, plant path., fruit disease invests., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

b. Platteville, Wis., May 29, 1881; *s.* Jas. H. and Elizabeth (Carpenter) B.; reared in town. A.B., Univ. Ill., 1904. Sigma Xi.

Balmer, Frank Everett, state co. agt. leader, Univ. Minn., University Farm, St. Paul, Minn.

Farm manag., 1906-9; dir. agr., Lewiston Consolidated Schs., Minn., 1909-11; princ. La Crosse Co. Sch. Agr., Onalaska, Wis., 1911-3; distr. superv. co. agts., W. Cent. Minn., 1913-4; present position, 1914–.—*b.* Woodston, Kans., Oct. 29, 1883; *s.* Elmer D. and Mary (Jenks) B.; reared on farm; *m.* Bertha Mabel Eastman, Aug. 25, 1910. B.S., Kans. State Agr. Coll., 1905.

Bancroft, Ross L., agrst., Phillips, Wis.

Farm foreman, Univ. Wyo., 1913-5; asst. prof. soils, Ia. State Coll., 1915-7; assoc. prof., 1917-8; assoc. prof. soils ext., 1918-9; Smith Hughes work, Buena Vista Co., Ia., 1919-20.—*b.* Garrettsville, O., Dec. 25, 1889; *s.* O. L. and Flora M. (Clarke) B.; reared on farm. B.S., Univ. Wyo., 1914; M.S., Ia. State Coll., 1915. Alpha Tau Omega; Alpha Zeta; Phi Kappa Phi; Gamma Sigma Delta.

Bane, Frank Milton, co. agrl. agt., Sleepy Eye, Minn.

(Soil fertility).—*b.* Dana, Ill., June 15, 1892; *s.* M. Milton and Florence (Clegg) B.; reared on farm; *m.* Lillian M. Whiteman, Oct. 15, 1916; *c.* Florence Kathryn. B.S., Univ. Ill., 1915. Alpha Zeta.

Bane, Juliet Lita, asst. state leader home econ. ext., Univ. Ill., Urbana, Ill.

Dir. household arts, Y. M. C. A., Omaha, Neb., 1912-4; instr. home econ., Wash. State Coll., 1914-5; asst. prof., 1915-7.—*b.* near Dana, Ill., Sept. 15, 1887; *d.* M. Milton and Florence (Clegg) B.; reared on farm. B.S., Univ. Ill., 1912; M.A., Univ. Chicago, 1919. Gamma Phi Beta; Kappa Delta Pi; Omicron Nu.

Banks, King Lemuel, dairyman, Raines, Tenn.

Formerly co. agrl. agt., Walnut Ridge, Ark. Sec.-treas. Shelby Co. Holstein Breeders Club. (Holstein-Friesian cattle).—*b.* Raines, Tenn., July 4, 1894; *s.* Wm. Love and Lucy (Heartstill) B.; reared on farm; *m.* Hazel Davies, Apr. 15, 1917; *c.* two daughters. B.S.A., Univ. Mo., 1916. Sigma Phi Epsilon.

Barden, William Samuel, co. agrl. agt., McConnelsville, O.

Private 83rd Div. Inf., 1917-8. (An. husb.).—*b.* Shreve, O., Mar. 1, 1895; *s.* Edwin A. and Izena (Stough) B.; reared on farm; *m.* Mary Esther Heasley, June 5, 1918. B.Sc.A., Ohio State Univ., 1919. Phi Sigma Epsilon.

Bargerstock, Clarence A., farmer and dairyman, Punxsutawney, Pa.

Pres. Jefferson Co. Live-stock Assoc. —*b.* Punxsutawney, Pa., Sept. 9, 1866; *s.* Henry and Amelia (Graffius) B.; reared on farm; *m.* Mary McGee, June 30, 1886; *c.* Wm. H.

Barker, Elbert J., farmer and live-stock breeder, Thorntown, Ind.

Ex.-pres. Amer. Berkshire Congress, Ind. Swine Breeders Assoc.; ex.-dir. Amer. Berkshire Assoc.; pres. Ind. Live Stock Assoc. (Berkshire swine).—*b.* Thorntown, Ind., Sept. 10, 1876; *s.* Isaac N. and Cyrena A. (Brown) B.; reared on farm; *m.* Della M. Beesley, Dec. 26, 1900; *c.* Mildred, Margaret, Elberta.

Barker, Elmer Eugene, chief agron., Insular Exp. Sta., Rio Piedras, Porto Rico.

Asst. geol., Cornell Univ., 1910; asst. ent., 1911-2; asst. plant-breeding, 1915-9; plant-breeder, Insular Exp. Sta., Rio Piedras, Porto Rico, 1919; chief agron., 1920–. (Plant-breeding and hort.).—*b.* Crown Point, N. Y., Dec. 31, 1886; *s.* Elmer John and Harriet Barnes (Griggs) B.; reared on farm; *m.* Sept. 4, 1916; *c.* Stephen Middleton, Mary Louise. A.B., Cornell Univ., 1910; Ph.D., 1914.

Barker, Joseph F., prof. agrl. chem. and soils, Ohio State Univ., Columbus, O.

Instr. soils, Ia. State Coll., 1908-9; asst. prof. soils, 1909-11; agron., N. Y. Exp. Sta., Geneva, 1911-7; present position, 1917–.—*b.* Athens, O., Aug. 13, 1884; *s.* Joseph and Harriet Amanda (Baker) B.; reared on farm; *m.* Sophie Hargis, July 26, 1910. B.S.A., Ohio State Univ., 1908; M.S.A., Ia. State Coll., 1910. Alpha Zeta.

Barnard, Harry Everett, dir. Amer. Inst. of Baking, Minneapolis, Minn.

Asst. chem., N. H. Exp. Sta., 1899; asst. chem., U. S. Smokeless Powder Factory, Indian Head, Md., 1900-1; chem., N. H. State Bd. Health, 1901-5; chem., Ind. State Bd. Health, 1905-20; state food and drug comnr., 1907-20; state comnr. weights and measures, 1911-20; food and drug insp. chem., U. S. Dept. Agr., 1907-20; present position, 1920–. Fed. Food Admins., 1917-20; pres. Ind. Sanitary and Water Supply Assoc.; sec. Ind. branch, Nat. Conservation Assoc., Fruit grower, supt. Ind. Apple Show, 1911-2; pres. Ind. Apple Show Comn., 1913. (Human nutr.).—*b.* Dunbarton, N. H., Nov. 14, 1874; *s.* Nelson H. and Celestia A. (Rider) B.; *m.* Marion Harvie, June 20, 1901; *c.* Harvie, Marion. B.S., N. H. A. & M. Coll., 1899; Ph.D., Hanover Coll., 1913.

Barnes, John R., farmer, Wallingford, Conn.

Fruit-grower, 30 yrs.; nurseryman, 25 yrs.—*b.* Cheshire, Conn., May 20, 1867; *s.* Jas. and Sarah E. (Pennewell) B.; reared on farm; *m.* Grace D. Paddock; *c.* Helen Elizabeth, Delaphine Hall, Joel Paddock. Grad. Eastman Coll., 1884.

Barnes, Olive Kirby, home dem. agt., 1122 Luttrell St., Knoxville, Tenn.

Teach. home econ., Univ. Tenn., summer 1915; Cumberland Co. High-Sch., 1914-6; Polls Co. High-Sch., 1916-8; present position, 1918-.—*b.* Knox Co., Tenn., Feb. 16, 1882; *d.* John McCammon and Sarah Rosanna (Ruh) Kirby; reared on farm and in city; *m.* Samuel Edwin Barnes, Sept. 12, 1906. Student Univ. Tenn., 1913-4; Columbia Univ., 2 summers.

Barnes, Will C., stockman, asst. for., U. S. For. Serv., Washington, D. C.

Mem. Ariz. Legislature, 1891-2; N. Mex. Legislature, 1901-2. Sec. Ariz. Cattle Growers Assoc., 1890-4; N. Mex. Cattle Growers Assoc., 1901-4; sec. and chm., Cattle Sanitary Bd., Ariz. 1888-98; sec. and pres. Live Stock Sanitary Bd., N. Mex., 1901-6. Ariz. comnr. to World's Fair, Chicago, 1893. Served as private and sergeant, U. S. Signal Corps, 1879-83; Congressional Medal of Honor, Indian campaigns in Ariz., 1880-1. Staff correspondent to Breeders' Gazette.—*b.* Calif., June 21, 1858; *s.* Enos A. and Elizabeth (Croft) B.; reared on farm; *m.* Edith Talbot, 1897.

Barnett, Albert, assoc. prof. agrl. educ., Clemson Agr. Coll., Clemson College, S. C.

Head dept. agr. and rural life and prof. rural econ., Tenn. Poly. Inst., 1916-9; present position, 1919-.—*b.* Brush Creek, Tenn., Nov. 1, 1886; *s.* John D. and Eliza A. (Fry) B.; reared on farm; *m.* Enna Clare Conner, Nov. 27, 1918. B.S., Geo. Peabody Coll., 1916; M.A., 1917.

Barnett, Claribel Ruth, librarian, U. S. Dept. Agr., Washington, D. C.

Asst. librarian, U. S. Dept. Agr., 1901-7; librarian, 1907-. Organized agrl. libraries sect., Amer. Library Assoc., 1910. Chm. food information com. of War Serv. Com., Amer. Library Assoc. *Assoc. ed.*, Special Libraries, 1919-20. (Agrl. bibliography).—*b.* Kent, O., Mar. 26, 1872; *d.* Geo. and Lucina (Deuel) B.; reared in town. Ph.B., Univ. Mich., 1893; student N. Y. State Library Sch., 1893-5.

Barnett, George Mish, co. agrl. agt., *Westminster, S. C.*

b. Westminster, S. C., Dec. 4, 1887; *s.* J. H. and Lucy Scott (Dickson) B.; reared on farm; *m.* Maude Cox, Oct. 30, 1910. B.S., Clemson Agr. Coll., 1909.

Barnett, John Calhoun, distr. agrl. agt., Old State House, Little Rock, Ark.

Manag. plantation, Issaquna Co., Miss., 3 yrs.; agrl. adv. to Minister of Lands and Agr., Bangkok, Siam, 2½ yrs.; distr. agt., U. S. Dept. Agr., La., 2½ yrs.; present position, 1918-. Farm operator. Traveled in Europe, Asia, Africa.—*b.* Harperville, Miss., Aug. 7, 1880; *s.* B. R. and Mina (Moore) B.; reared on farm; *m.* Alpha Marie Franks, Aug. 30, 1916; *c.* Johnnie, Maria. B.S.A., Miss. A. & M. Coll., 1907.

Barnett, Robert John, prof. pom., Wash. State Coll., Pullman, Wash.

Asst. prof., Kans. State Agr. Coll., 1906-11; asst. prof. pom., Wash. State Coll., 1911-4; prof., 1914-.—*b.* Denison, Kans., Jan. 16, 1874; *s.* Jas. H. and Margaret (Linton) B.; reared on farm; *m.* Flora Day, 1898; *c.* Dahy Baskett. B.S., Kans. State Agr. Coll., 1895; M.S., 1911; Kans. State Normal, 1896. Alpha Zeta.

Barnhart, William Steel, co. agrl. agt., Court House, Trenton, N. J.

Superv. agr., high-sch., Mt. Pleasant, Pa., 1914-7; head dept. an. husb. and dairy ind., N. Y. State Sch. Agr., Alfred, 1917-9; agt. Mercer Co., N. J., 1919-. Pilot U. S. Air Serv., 1917-8.—*b.* Greensburg, Pa., Oct. 19, 1890; *s.* Geo. and Agnes (Steel) B.; reared on farm. B.S., Penn. State Coll., 1914; student Cornell Univ., 1919.

Barnum, Harry Lee, co. agrl. agt., Lake City, Mich.

Farm manag., Charlevoix Co., Mich., 1915-7; present position, 1917-. (Farm crops and soils).—*b.* Hopkins, Mich., May 15, 1887; *s.* H. W. and Caroline (Walter) B.; reared on farm; *m.* Florence Alexander, July 3, 1915; *c.* Emma Belle, Robt. Alexander. B.S., Mich. Agr. Coll., 1915.

Barott, Herbert G., specialist calorimetry and heat measurements, Off. Home Econ., U. S. Dept. Agr., Washington, D. C.

Asst. physicist, Bur. Standards, 1909-17.—*b.* Burton, O., July 13, 1881; *s.* Henry H. and Leverna A. (Caster) B.; reared in country; *m.* Ella Ostrander, June 30, 1909; *c.* Thos. E.E., Syracuse Univ., 1909. Tau Beta Pi.

Barr, George Wilbert, instr. agr., Brush Union High-Sch., Brush, Colo.

b. Elvira, Ia., Mar. 13, 1896; *s.* R. H. and Mary (Barr) B.; reared on farm; B.S., Colo. Agr. Coll., 1919.

Barre, Henry Walter, dir. Exp. Sta., Clemson College, S. C.

Field agt., Neb. Insect Pest and Plant Disease Bur., 1907; assoc. prof. bot. and bact., Clemson Coll., 1907-8; bot. and plant path., S. C. Exp. Sta., 1908-11; prof. bot. and bact., Clemson Coll. and bot. and plant path., S. C. Exp. Sta., 1911-6; dir. S. C. Exp. Sta., 1916–. Mem. S. C. Crop Pest Comn. *Assoc. ed.*, Phytopathology. (Cotton diseases, cotton anthracnose).—*b.* Lexington, S. C., May 5, 1881; *s.* W. W. and Elizabeth Amanda (Caughman) B.; reared on farm; *m.* Florence Belle Tillotson, Feb. 16, 1910; *c.* Claude Bertram. B.S., Clemson Agr. Coll., 1905; B.S., Univ. Neb., 1907; M.A., 1910. Alpha Zeta; Sigma Chi.

Barrett, Charles S., farmer, pres. Nat. Farmers' Union, Union City, Ga.

Mem. Country Life Comn. appointed by Pres. Roosevelt; mem. Farm Adv. Bd., appointed by Houston and Hoover; mem. com. to fix wheat price, appointed by Pres. Wilson; rep. Nat. Farmers Union, and eight or ten other nat. farm organizations at Peace Conference in Paris; mem. Pres. Wilson's Industrial Comn. Del. to Intern. Agrl. Inst., Rome, Italy. *Ed.*, National Field.—*b.* Pike Co., Ga., Jan. 28, 1866; *s.* Thos. J. and Minerva (Slade) B.; reared on farm; *m.* Alma Rucker, 1892; *c.* Paul, Charlie, Howell, Leland, Gaines, John.

Barrett, James Theophilus, prof. plant path., acting dean and dir. Univ. Calif. Grad. Sch. Trop. Agr. and Citrus Exp. Sta., Riverside, Calif.

Asst. bot., Ill. Exp. Sta., 1903-8; fellow and grad. asst. bot., Cornell Univ., 1908-10; assoc. bot., Univ. Ill. and chief asst., Exp. Sta., 1910-3; present position, 1913–. *Assoc. ed.*, Phytopathology.—*b.* Butler, Ill., Nov. 14, 1876; *s.* Jesse Clark and Emma (Hutchinson) B.; reared on farm; *m.* Anne Turner, June, 1904; *c.* James Turner, Mary Helen, Martha Anne, Paul Hutchison. B.A., Univ. Ill., 1903; A.M., 1907; Ph.D., Cornell Univ., 1910. Sigma Xi.

Barrett, Otis Warren, agrl. expert, Monrovia, Liberia, W. Africa.

With W. India Improvement Co., Jamaica, 1894; hon. curator ent. collections of the Museo de la Comision Geografico-Exploradora, Tacubaya, Mex., 1898-1900; ent. and bot., Porto Rico Exp. Sta., 1901-5; plant introducer, U. S. Dept. Agr., 1905-8; dir. agr. for Mozambique, Port E. Africa, 1908-10; chief divs. exp. stas. and hort., Bur. Agr., Manila, P. I., 1910-4; hort., Canal Zone, 1914-7; agrst., U. S. Dept. Agr., 1917-9. Fellow A. A. A. S. Expert on carbon procurement, Med. Dept., S. G. O., War Dept.—*b.* N. Clarendon, Vt., Apr. 18, 1872; *s.* Jas. and Alice Warren (Kelley) B.; reared on farm; *m.* Bessie Stearns, Apr. 27, 1898. B.Sc., Univ. Vt., 1896. Kappa Sigma.

Barron, John H., asst. prof. farm crops, Cornell Univ., Ithaca, N. Y.

Asst. expl. agron., Penn. State Coll., 1907-9; farmer, N. Y. state, 1908-11; agt. Broome Co., N. Y., 1911-3; present position, 1914–. (Pasture improvement, field crop varieties, adaptations and seed sources).—*b.* Tuscarora, N. Y., June 28, 1883; *s.* Milton M. and Alide A. (Hall) B.; reared on farm; *m.* Marion Irene Mitchell, Dec. 20, 1916; *c.* Vincent John. B.S.A., Cornell Univ., 1906. Sigma Xi.

Barrows, Harry Holbrooke, sr. drainage engin., Bur. Public Roads, U. S. Dept. Agr., Washington, D. C.

Railroad engin., 1898-1910; present position, 1910–. Capt. Engineers, U. S. Army, 1917-9; served in France, 1918-9. (Drainage of agrl. lands).—*b.* Kent, O., Feb. 5, 1874; *s.* Allen C. and Laura W. (Tracy) B.; reared in town. C.E., Ohio State Univ., 1898.

Barrows, Harry Percy, prof. agrl. educ., Ore. Agr. Coll., Corvallis, Ore.; 1883-May 3, 1920. See Rus 1918.

Barrus, Mortier Franklin, ext. prof. plant path., Cornell Univ., Ithaca, N. Y.

Asst. plant path., Cornell Univ., 1908-10; instr., 1910-1; ext. asst. prof., 1911-4; ext. prof., 1914–. Served in U. S. Army, 1918-9. *Auth.:* (with A. W. Gilbert and Daniel Dean) The Potato, 1917. (Potato diseases).—*b.* Forestville, N. Y., Mar. 17, 1879; *s.* Orrin Mortier and Nettie E. (Fuller) B.; reared on farm; *m.* Della Wintrode, Sept. 17, 1910; *c.* Elizabeth Ann, Benjamin W., Mortier F., Merton S. B.A., Wabash Coll., 1908; Ph.D., Cornell Univ., 1911. Phi Beta Kappa; Sigma Xi; Gamma Alpha.

Barss, Alden Forrest, assoc. prof. hort., Univ. B. C., Vancouver, B. C.

Research asst. hort., Ore. Agr. Coll., 1914-7; asst. prof. pom., 1918; present position, 1918–.—*b.* Hoosick, N. Y., Mar. 29, 1888; *s.* Walter and Mary (Phillips) B.; reared in city; *m.* Emily Malcomson, Jan. 1, 1915; *c.* Walter Malcomson, Ruth Emily. A.B., Univ. Rochester, 1910; B.S.A., Cornell Univ., 1912; M.S., Ore. Agr. Coll., 1914. Phi Beta Kappa; Alpha Delta Phi.

Barss, Howard Phillips, prof. bot. and plant path., Ore. Agr. Coll., Corvallis, Ore.

Austin teaching fellow in bot., Harvard Univ., 1909-10; instr. bot., Wash. State Coll., 1910-2; asst. prof. bot. and plant path., Ore. Agr. Coll., 1912-3; assoc. prof., 1913-5; prof., 1915–. Pres. Pacific Div., Amer. Phytopath. Soc., 1917; fellow A. A. A. S.; commr. for West, War Emergency Bd., Amer. Plant Pathologists, 1918–; commr. for the West, Adv. Bd. Amer. Plant Pathologists, 1919; pres. Western Plant Protective Assoc., 1919–. chm. Conference Cereal Path. Amer., 1918. *Assoc. ed.*, Phytopathology, 1917–.—*b.* Victoria, B. C., Apr. 20, 1885 (naturalized in 1906); *s.* Walter and Mary Fidelia (Phillips) B.; reared in city; *m.* Laura A. Hawks, June 29, 1911; *c.* Richard Hawks, Roger Phillips. A.B., Univ. Rochester, 1907; M.S., Harvard Univ., 1909. Phi Beta Kappa; Alpha Delta Phi; Gamma Sigma Delta.

Bartlett, Isaac Norton, co. agrl. agt., Middlebury, Vt.

b. Middle Granville, N. Y., Oct. 8, 1895; *s.* David and Ida (Norton) B.; reared on farm. B.S.A., Univ. Vt., 1917. Alpha Zeta; Sigma Nu.

Bartlett, James Monroe, chem., Exp. Sta., Orono, Me.

Analytical chem., Penn. State Coll., 1883-5.—*b.* Litchfield, Me., Sept. 25, 1856; *s.* Jas. and Sarah Jane (Towne) B.; reared on farm; *m.* Sarah Caroline Pattangall, Dec. 2, 1889; *c.* Emily M., Louise, Edwin, Burton E., Frances D., Edmund H. B.S., Univ. Me., 1880; M.S., 1883. Phi Gamma Delta.

Bartlett, Oscar Christopher, asst. state ent., Ariz. Comn. Agr. and Hort., Box 348, Phoenix, Ariz.

Present position, 1912–. (Econ. ent. and cryptogamic bot.).—*b.* Westhampton, Mass., Apr. 1, 1883; *s.* Oscar Warner and Margaret (Whalen) B.; reared on farm; *m.* Lillian Maud Parsons, June 11, 1912. B.Sc., Mass. Agr. Coll., 1909; Ph.D., 1912. Alpha Sigma Phi.

Barton, Horace, prof. an. husb., Macdonald Coll., Que.

Asst. an. husb., Macdonald Coll., 1907-8; lect., 1908-10; prof., 1910–. Dir. E. Canada Live-Stock Assoc. Traveled in Europe, 1912. (An. husb., farm manag.).—*b.* Vauklech Hill, Ont., June 29, 1883; *s.* John M. and Margaret Ann (Allen) B.; reared on farm; *m.* Mabel Pauline Loveridge, July 23, 1912. B.S.A., Ont. Agr. Coll. and Toronto Univ., 1907.

Barton, John Alexander, teach. agr., high sch., Hillsboro, Tex.

Lieut., U. S. Army, World War. (Agron.).—*b.* Ft. Graham, Tex., Aug. 27, 1893; *s.* John Alexander and Annie B.; reared on farm. B.S., Tex. A. & M. Coll.

Bartter, Milford Hale, co. agrl. agt., Burton, O.

General farming, 8 yrs.; agrl. agt., Grange Co., O., 1916–.—*b.* W. Park, O., Aug. 30, 1884; *s.* Alfred and Clara B.; reared on farm. B.S., Ohio State Univ. 1908.

Bascom, D. C., co. agrl. agt., Fort Collins Colo.

Sec. Coll. Y. M. C. A., Fort Collins, Colo., 1910-2; agrl. agt., Logan Co.,

Colo., 1912-6; fieldman, Great Western Sugar Co., Sterling, Colo., 1916-8; present position, 1918–.—*b.* Howard, Kans., Nov. 11, 1885; *s.* Samuel J. and Olive J. (Longley) B.; reared on farm; *m.* Alma M. Thompson, Aug. 23, 1911; *c.* Elizabeth May. B.S., Kans. State Agr. Coll., 1910.

Bassett, Charles E., dir. field organization, N. Amer. Fruit Exchange, 90 West St., New York, N. Y.

Supt. schs., 7 yrs. Fruit-grower, Pennville, Mich., 1892-1913. Sec. Mich. State Hort. Soc., 1898-1913. Specialist in coop. organization, Bur. Markets, U. S. Dept. Agr., 1914-9. *Ed.*, Allegan Record and Fennville Herald, 21 yrs.—*b.* Allegan, Mich., June 4, 1864; *s.* Elisha B. and Anne (Lawrence) B.; reared in town and country; *m.* Carrie E. Kingsley, Sept. 1, 1892; *c.* Marcia. Mast. Hort. (hon.), Mich. Agr. Coll., 1912.

Bassett, Samuel Clay, farmer, Gibbon, Neb.

Mem. Neb. Legislature, 1885, 1911. Food comnr., 1901-2. Mem. Neb. State Bd. Agr., 1894-1910, pres., 1899-1900; 1st pres. Neb. Dairymen's Assoc., 1885, sec., 1888-1914; pres. Neb. State Hist. Soc., 1917-8; sec. Buffalo Co. Agrl. Soc., 1875, 1882-5; pres. Neb. Hall of Agrl. Achievement, 1916-8. Served in Civil War. *Auth.:* History Buffalo County, Neb., 1916.—*b.* Walton, N. Y., July 14, 1844; *s.* Clark and Mary M. (Hanford) B.; reared on farm; *m.* Lucia M. Baker, Sept. 17, 1867; *c.* Mary E., Clark S., Sam B., Alfred Bronson, Martha L., June, Laura Lee. Grad. Corning Acad., 1861.

Batchelor, Leon Dexter, prof. orchard manag., Univ. Calif., Riverside, Calif.

Asst. hort., Cornell Univ., 1907-10; prof. hort., Utah Agr. Coll., 1910-5; prof. plant-breeding, Univ. Calif., 1915-9; present position, 1919–. Mem. Utah Hort. Comn., 1910-5. Contributing ed., Better Fruit and Utah Farmer. (Walnut cult. and irrig. problems in orchard manag.).—*b.* W. Upton, Mass., May 8, 1884; *s.* Henry J. and Margaret Elizabeth (McCoomb) B.: reared on farm; *m.* Florence M. Brown, Sept. 4, 1912; *c.* Margaret Elizabeth. B.S., N. H. A. & M. Coll., 1907; Ph.D., Cornell Univ., 1911. Kappa Sigma; Gamma Alpha; Alpha Zeta.

Bates, George Edward, asst. to gen. manag. for ind. development, Delaware and Hudson Co., Albany, N. Y.

b. Delaware Co., Pa., Aug. 13, 1874; *s.* Geo. and Sarah (Marshall) B.; reared in village; *m.* Mary H. Lamb, Sept. 1, 1897; *c.* Eva M., Emelina N. Grad. Drexel Inst., Philadelphia.

Batten, E. T., supt. co. exp. sta., Holland, Va.

Asst. agron., Va. Exp. Sta., 1914; present position, 1914–. Sec.-treas. Nansemond Co. Farmers Union.—*b.* Smithfield, Va., Apr. 6, 1893; *s.* E. K. B.; reared on farm. B.S.A., Va. Poly. Inst.

Baty, Ray Don, instr. agr., Union Sch., Westford, N. Y.

Instr. agr., high-sch., Gilbertsville, N. Y., 1915-6; princ. and agrl. instr., Westford, 1918–.—*b.* Vestal, N. Y., Sept. 3, 1889; *s.* Harry Lee and Minnie (Gates) B.; reared on farm; *m.* Beatrice M. Ellithorp, Dec. 27, 1915; *c.* Ruth Dorothy, Lois Esther. B.S., Cornell Univ., 1915.

Bauder, Harry Devoe, instr. agr., State Sch. Agr., Cobleskill, N. Y.

Asst. dairy dept., Cornell Univ., 1915-6; instr. agr., high-sch., Ft. Plain, N. Y., 1916-8; present position, 1918–. Dir. Farmers and Mechanics Bank, Ft. Plain. Sec.-treas. Schoharie Co. Breeders Assoc. (Dairying).—*b.* Ft. Plain, N. Y., May 28, 1890; *s.* Frank W. and DeMeetra Estell (Devoe) B.: reared on farm; *m.* A. Louisa Brown, Sept. 2, 1914. B.S., Cornell Univ., 1914. Phi Delta Sigma.

Baumeister, George Frederick, co. agrl. agt., Freeport, Ill.

Princ. graded sch., Wis., 1910-2; instr. agr. and biol., William and Vashti Coll., 1914-8.—*b.* Boscobel, Wis., June 2, 1889; *s.* David and Maggie (Campbell) B.; reared on farm; *m.* Helen Gillette, Aug. 1, 1915. B.S., Univ. Wis., 1914. Alpha Zeta.

Bausman, Robert Otis, co. agrl. agt., Newark, Del.

Asst. ext., Purdue Univ., 1914-5; manag. govt. farm, Marion, Ind., 1916-7.—*b.* Dayton, Ind., July 3, 1891; *s.* Andrew and Martha B.; reared on farm. B.S.A., Purdue Univ., 1914. Alpha Gamma Rho.

Baxter, Samuel G., co. agrl. agt, Albia, Ia.
Stockman, Waterloo, Ia, 6 yrs.; N. D., 7 yrs. (An. husb.).—*b.* Princeton, Ia., Jan. 14, 1882; *s.* John and Frances (McConnell) B.; reared in town; *m.* Lola R. Brown, Aug. 29, 1910. Student Ia. State Coll, 3 yrs.

Bayard, Edwin Stanton, ed. National Stockman and Farmer, Pittsburgh, Pa.
Present position, 1895–. Pres. Penn. Breeders and Dairymens Assoc. Trustee Penn. State Coll.—*b.* near Kingston, O., Dec. 13, 1867; *s.* Samuel Peter and Martha E. (Lutz) B.; reared on farm; *m.* Mary Virginia Kerr, 1903; *c.* Samuel Preston.

Bayles, John Jasper, supt. Colby Exp. Sta., Colby, Kans.
Asst. agron., Garden City Exp. Sta., Kans., 1916-7; agrst., Frisco R. R., 1917-8; present position, 1918–. (Farm crops).—*b.* Riley Co., Kans., Nov. 13, 1890; *s.* Ben Bolton and Julia (Cowell) B.; reared on farm; *m.* Eunice Keyes, May 12, 1917; *c.* Lawrence Gordon. B.S.A., Kans. State Agr. Coll., 1915.

Bayliss, Edwin John Charles, asst. marketing dairy products, Bur. Markets, U. S. Dept. Agr., Washington, D. C.
b. St. Paul, Minn., Jan. 7, 1895; *s.* Daniel and Emma (Koch) B.; reared on farm. B.S., Ore. Agr. Coll., 1917. Theta Chi.

Beach, Bernie F., co. agrl. agt., Hart, Mich.
b. Millington, Mich., Nov. 28, 1891; *s.* Frank E. and Carrie E. (Bostick) B.; reared on farm; *m.* Lorena M. Fuller, Aug. 21, 1916. B.S., Mich. Agr. Coll., 1915.

Beach, Charles Lewis, pres. Conn. Agr. Coll., Storrs, Conn.
Instr. dairying, Conn. Agr. Coll., 1896-1906; prof. dairying, Univ. Vt., 1906-8; present position, 1908–.—*b.* Whitewater, Wis., Apr. 6, 1866; *s.* Chas. R. and Mary Jennette (Lewis) B.; reared on farm; *m.* E. Louise Crombie, 1896. B.S., Univ. Wis., 1886.

Beach, Frank H., asst. prof. hort., Ohio State Univ., Columbus, O.
Instr. hort., Purdue Univ., 1915-6; hort. ext., 1916-7; present position, 1918–. Private, Coast Artillery Corps, 1918. (Orcharding).—*b.* Geneva, N. Y., July 6, 1893; *s.* S. A. and Norma (Hainer) B.; reared in town; *m.* Lucile H. Logan, 1919. B.S., Ia. State Coll., 1915. Sigma Nu; Alpha Zeta; Phi Kappa Phi.

Beach, Spencer Ambrose, prof. hort., vice-dean agr., Ia. State Coll., Ames, Ia.
Head dept. hort., Tex. A. & M. Coll., 1890-1; hort., N. Y. Agr. Exp. Sta., Geneva, 1891-1905; present position, 1905–. Pres. Ia. State Hort. Soc. Fellow Royal Hort. Soc. *Auth.:* The Apples of New York (2 vols.), 1905. (Pom.).—*b.* Summer Hill, N. Y., Sept. 15, 1860; *s.* I. A. and Maria (Wood) B.; reared in village, town and farm; *m.* Norma Hainer, July 2, 1890; *c.* Spencer Isaac, Frank Hainer, Julius Eugene, Spencer A. Jr., Victor Hainer. B.S.A., Ia. State Coll., 1887; M.S., 1892. Alpha Zeta; Gamma Sigma Delta; Phi Kappa Phi.

Beach, Walter Greenwood, prof. social sci. and dean coll. sci. and arts., Wash. State Coll., Pullman, Wash.
Prof. philosophy and hist., Marietta Coll. for Women, 1892-8; prof. econ. and hist., Wash. State Coll., 1899-1910; prof. sociol., Univ. Wash., 1910-7; present position, 1917–. (Rural sociol.).—*b.* Granville, O., May 20, 1868; *s.* David Edwards and Alice (Allen) B.; reared in town and country; *m.* Flora V. Warner, Dec. 28, 1892; *c.* Susan Elizabeth, Walter Edwards, Rachel Julia, Allen Warner. A.B., Marietta Coll., 1888; A.B., Harvard Univ., 1891; A.M., 1892; student Leland Stanford Univ., 1898-9. Delta Upsilon.

Beach, Walter Spurgeon, asst. prof. plant path., Penn. State Coll., Bustleton Sta., Philadelphia, Pa.
Instr. plant path., Penn. State Coll., 1918-9; asst. prof., 1919–.—*b.* Browntown, Minn., Jan. 24, 1890; *s.* S. S. and Clara M. (Hoffman) B.; reared on farm; *m.* Margaret Josephine Miller,

Sept. 25, 1918; *c.* Marguerite Cordelia. B.S., Univ. Minn., 1914; M.S., Mich. Agr. Coll., 1915; Ph.D., Univ. Ill., 1918. Sigma Xi.

Beal, Alvin Casey, prof. flor., Cornell Univ., Ithaca, N. Y.

Foreman hort. dept., Ill. Exp. Sta., 1898-9; foreman agrl. greenhouses, 1900-1; asst. hort., 1901-2; asst. flor., 1902-3; instr. flor., 1903-8; first asst. flor., 1908-9; grad. asst. flor., Cornell Univ., 1909-10; asst. prof., 1911-3; prof., 1913–. Sec. Ill. State Florists Assoc., 1908; sec. Amer. Gladiolus Soc., 1917–; chm. com. on flor. courses, Soc. Hort. Sci., 1913-4; bot., Soc. Amer. Florists, 1912, 1913. Fellow A. A. A. S. Brev. Capt. Ill. Nat. Guard. (Research with roses, gladioli, iris, peony and sweet pea). —*b.* Mt. Vernon, Ill., Nov. 30, 1872; *s.* Lewis N. and Sarah M. (Casey) B.; reared on farm; *m.* Ervilla B. LeFevre, Dec. 31, 1899; *c.* Elizabeth. B.S., Univ. Ill., 1897; M.S.A., Cornell Univ., 1903; Ph.D., 1911. Sigma Xi.

Beal, John Mann, prof. bot. and for., Miss. A. & M. Coll., Agricultural College, Miss.

Instr. bot., Miss. A. & M. Coll., 1911-3; asst. prof., 1913-5; prof. bot. and for., 1915–. (Plant path.).—*b.* Rocky Mt., N. C., Apr. 18, 1888; *s.* John C. and Mary Caroline (Edwards) B.; reared on farm; *m.* Anna McBee, June 3, 1914; *c.* John M. Jr. B.S., N. C. A. & E. Coll., 1911; M.S., Miss. A. & M. Coll., 1913. Alpha Zeta; Kappa Alpha.

Beal, Walter Henry, chief editorial div., States Relations Serv., U. S. Dept. Agr., Washington, D. C.

Asst. chem., Mass. Exp. Sta., 1887-91; specialist in agrl. research and editorial work, U. S. Dept. Agr., 1891–. Fellow A. A. A. S. Del. from U. S. Dept. Agr. to Intern. Congress of Agr., Liege, Belgium, 1905.—*b.* Hanover Co., Va., Dec. 9, 1867; *s.* John and Charlotte (Ellett) B.; reared on farm; *m.* Eleanor Gilliss Ashby, Apr. 27, 1910; *c.* Walter H. Jr., Elizabeth Ashby, Anne Ashby. A.B. and M.E., Va. Poly. Inst., 1886. Phi Delta Theta.

Beale, Harry Glenn, farmer, Mt. Sterling, O.

Breeder and feeder beef cattle and Duroc-Jersey hogs, 1902–. Mem. exec. com., O. Farm Bur. Assoc.—*b.* Mt. Sterling, O., Aug. 14, 1881; *s.* Smith and Lilly (Thomas) B.; reared on farm; *m.* Stella Klever, Oct. 5, 1904; *c.* Mary Vivian. B.S.A., Ohio State Univ., 1902. Alpha Zeta.

Beam, Adam Leland, asst. prof. dairy husb., Penn. State Coll., State College, Pa.

Instr. dairy husb., Penn. State Coll., 1916-7; asst. prof., 1919–. 2d Lieut., U. S. Army, 18 mos.; with A. E. F., 9 mos.—*b.* Kincaid, Kans., Feb. 26, 1891; *s.* J. Elwood and Minnie (Lee) B.; reared in town; *m.* Edith Faye Boggs, June 26, 1917; *c.* Richard Leland. B.S.A., Wash. State Coll., 1915; M.S., Penn. State Coll., 1916. Lambda Chi Alpha; Alpha Zeta.

Bear, Firman E., prof. soils, Ohio State Univ., Columbus, O.

Instr. agrl. chem., Ohio State Univ., 1908-10; asst. prof., 1910-3; prof. soils and chg. soil invest., Univ. W. Va., 1914-6; present position, 1916–. Studied agrl. conditions in Europe, summer 1911.—*b.* Germantown, O., May 21, 1884; *s.* Ira F. and Emma (Harris) B.; reared on farm; *m.* Helen Judy, July 6, 1911; *c.* Firman E. Jr., Robt. J. B.S.A., Ohio State Univ., 1908; M.S., 1910; Ph.D., Univ. Wis., 1917. Sigma Xi; Alpha Zeta; Phi Lambda Upsilon.

Bear, Lutie Kate, home dem. agt., Danville, Ill.

Superv. home econ., Ponce, Porto Rico, 1913-4; head home econ. dept., State Univ. Prep. Sch., Tonkawa, Okla., 1915-7; ext. worker, Penn. State Coll., 1917-9; present position, 1919–. (Foods).—*b.* Carthage, Ill., Sept. 18, 1881; *d.* Albert S. and Lydie (Rees) B.; reared on farm. B.S., Columbia Univ., 1913; A.M., 1918.

Beard, Ward Powers, instr. agr., high-sch., Brookings, S. D.

Instr. agr., high-sch., Mt. Carroll, Ill., 1915-8; present position, 1919–. Vice-pres. Voc. Agrl. Teach. of S. D. Served in U. S. Navy, 1918.—*b.* Milledgeville, Ill., Aug. 8, 1892; *s.* Lewis C. and Ida E. (Fike) B.; reared in town; *m.* Marion E. Miller, Aug. 15, 1917. B.S.A., Univ. Ill., 1915. Alpha Zeta.

Bearer, Edwin Vincent, teach. agr., high-sch., Hopewell, N. J.

Teach. and princ. grammar sch., 1905-12; asst. physics and geol., State Normal Sch., West Chester, Pa., 1912-3; princ. high-sch., Gallitzin, Pa., 1913-5; asst. agrl. educ., Penn. State Coll., 1918-9; present position, 1919–. Chg. U. S. Boys' Working Reserve boys, 1917-8.—*b.* Hastings, Pa., Apr. 29, 1886; *s.* Lewis J. and Madeline (Deitrich) B.; reared on farm. B.S., Penn. State Coll., 1918; M.S., 1920.

Beattie, James Herbert, hort., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

With Bur. Ent., U. S. Dept. Agr., 1904-6; Bur. Soils, 1906-12; Bur. Plant Ind., 1912–. (Organic soils, peats and mucks, and their adaptability to truck crop production).—*b.* Zanesville, O., June 4, 1882; *s.* Johnston and Mary (McCammon) B.; reared on farm; *m.* Susan Annetta Mohler, Dec. 26, 1906 (d. 1918); 2d, Maud Pearl Rock, Jan. 3, 1920; *c.* May, Isabelle. B.Sc., Ohio State Univ., 1904.

Beattie, Rolla Kent, path. in chg. foreign plant quarantines, Fed. Hort. Bd., U. S. Dept. Agr., Washington, D. C.

Teach. sci., high-sch., Leadville, Colo., 1896-7, Cheyenne, Wyo., 1898-9; instr. bot., Wash. State Coll., 1899-1903; acting prof. and head dept. bot. and zool., 1903-5; prof. and head dept. bot., 1905-12; for. path., Bur. Plant Ind., 1912-4; chief path. insp., Fed. Hort. Bd., 1914-9; insp. in chg., Mex. Border Port Insp., 1914-9; present position, 1919–.—*b.* Ashland, O., Jan. 14, 1875; *s.* James Alexander and Margaret Davidson (Benton) B.; reared in town; *m.* Rose Mozee, Aug. 15, 1900; *c.* Lois Beryl. A.B., Cotner Univ., 1895; B.Sc., Univ. Neb., 1896; M.A., 1898.

Beattie, William Renwick, ext. hort., Bur. Plant Ind., U. S. Dept. Agr., Bladensburg, Md.

Asst. bot., Ohio State Univ., 1896-8; asst. hort., U. S. Dept. Agr., 1899-1912; agrl. comnr., St. Louis Southwestern Ry. Lines, 1912-8; present position, 1918–. *Auth.:* Celery Culture. (Veg. crops).—*b.* Zanesville, O., Dec. 17, 1870; reared on farm. B.S., Ohio State Univ., 1894; M.S., 1897.

Beaty, Orren, co. agrl. agt., Clayton, N. Mex.

Asst. supt., E. Ore. Dry-Farming Substa., 1909-11; traveling agrl. agt., Sherman, Morrow and Gilliam cos., Ore., 1912; supt. Plateau Farming Co.'s ranches in Gilliam Co., Ore., 1913-4; agt., Wheeler Co., Ore., 1915; agrl. agt., Union Co., N. Mex., 1916–. *Ed.,* Union Co. Farmer-Stockman Exchange Bull. (Grain crops).—*b.* Mich., Mar. 27, 1883; *s.* Wm. and Mary Jane (Gould) B.; reared on farm; *m.* Edith Mason, May 5, 1917; *c.* Orren. B.S., Ore. Agr. Coll., 1909.

Beaudoin, Edouard, prof. drawing and rural buildings, Agrl. Sch., St. Anne-de-la-Pocatiere, Que.

b. St. Elzéar de Beauce, Que., Feb. 21, 1890; *s.* Georges and Marie-Louise (Lacroix) B.; reared on farm. B.S., Laval Univ., 1914. Catholic priest.

Beaumont, Arthur Bishop, prof. and head dept. agron., Mass. Agr. Coll., Amherst, Mass.

Student asst. chem., Ky. State Univ., 1907-8; teach. sci., high-sch., North Bend, Ore., 1909-10; head dept. sci. and agr., Ore. Normal Sch., 1911-2; grad. asst., soil tech., Cornell Univ., 1913-7: assoc. prof. agron. and acting head dept., Mass Agr. Coll., 1917-9; prof., 1919–. (Soils).—*b.* Waco, Tex., Jan. 21, 1887; *s.* Edgar S. and May (Wortham) B.; reared in country; *m.* Grace M. Davis, Sept. 17, 1914; *c.* Edgar S., Davis W. B.S., Ky. State Univ., 1908; Ph.D., Cornell Univ., 1918. Sigma Xi; Acacia.

Beavers, James Claudius, farmer and poultryman, Guilford College, N. C.

Supt. test farm, N. C. Dept. Agr., June-Dec. 1906; agrst., Off. Farm Manag., 1907-11; assoc. soils and crops ext., Purdue Univ., 1911-8.—*b.* Chatham Co., N. C., Oct. 11, 1878; *s.* John Westley and Flora Elizabeth (Horton) B.; reared on farm; *m.* Mary Loula Graham, Nov. 6, 1906; *c.* Clara, Anna, Loula, James C. Jr., Leonard Horton, Bernice. B.Agr., N. C. A. & E. Coll., 1906.

Bechdel, Samuel Irvin, assoc. prof. dairy husb., Penn. State Coll., State College, Pa.

Dairy ext. rep. in Ala. for U. S. Dept. Agr., 1911-3; Dairy Div., U. S. Dept. Agr., May-Dec. 1913; instr. dairy husb., Penn. State Coll., 1913-7; asst. prof., 1917-9; assoc. prof., 1919–.—*b.* Blanchard, Pa., July 9, 1886; *s.* David S. and Ida M. (Traister) B.; reared on farm; *m.* Annie M. Myers, June 26, 1912; *c.* Carl Edwin, Rachel May. B.S., Penn. State Coll., 1911; M.S., 1916. Phi Kappa Phi.

Bechtel, John Reiff, asst. prof. veg. gard., Penn. State Coll., State College, Pa.

Asst. hort., Penn. State Coll., 1913-4; nstr., 1914-7; asst. prof. veg. gard., 1917–. Sec. Penn. Veg. Growers Assoc., 1914-8.—*b.* Royersford, Pa., Dec. 28, 1886; *s.* John I. and Martha (Reiff) B.; reared on farm; *m.* Zelma Jane Bartow, June 13, 1913; *c.* Jane Bartow, John Edward. B.S., Penn. State Coll., 1913; M.S., 1917. Phi Kappa Phi.

Beck, Robert William, co. agrl. agt., Clarendon, Ark.

Teach. sci., Paragould high-sch., Ark., 1915-6; agt. Woodruff Co., 1917-9; agt. Monroe Co., 1919–. (Hogs).—*b.* Pocatello, Ida., Aug. 24, 1890; *s.* Robt. and Coral Amy (Chamberlain) B.; reared on farm; *m.* Stella Aldel May, July 26, 1911; *c.* Stella May, Robt. Wm. Student Univ. Ark., 2½ yrs.

Beckenstrater, Herman, prof. pom., Md. State Coll., College Park, Md.

Teach. hort., Chicago Parental Sch., 1904-6; asst. prof. hort., Univ. Me., 1907-8; assoc. prof. hort., Md. State Coll., 1909-13; prof. pom., 1913–. Del. Pan-Amer. Sci. Congress, Washington, 1916.—*b.* Osborn, Wis., Feb. 8, 1881; *s.* Joseph and Frederickie (Zinn) B.; reared on farm; *m.* Mary Lillian Wheatley, June 6, 1917. B.S.A., Univ. Wis., 1904; M.S., 1907; grad. student, Cornell Univ., 1908-9.

Becker, George Grover, prof. ent., Univ. Ark., Fayetteville, Ark.

Instr. and asst. ent., Univ. Ark., 1910-3; asst. prof. and ent. Exp. Sta., 1913-8; prof., 1918–; state ent., 1913-7; chief insp., State Plant Bd., 1919–. In U. S. Navy, 1918-9.—*b.* Baltimore, Md., Feb. 2, 1889; *s.* Chas. R. and Mary A. D. (Middendorf) B.; reared in city, farm in summers. B.S., Md. Agr. Coll., 1908; B.S.A., Cornell Univ., 1910.

Becker, Joseph Aloysius, field agt., U. S. Bur. Crop Estimates, and statistician, Wis. State Dept. Agr., Madison, Wis.

Asst. agrl. econ., Univ. Wis., 1915-7; farm help specialist for Wis., U. S. Off. Farm Manag., 1917-8; field agt., U. S. Bur. Crop Estimates, in O., 1918, in Wis., 1919–. Sergeant-Major, U. S. Army, July-Dec. 1918.—*b.* Hurley, Wis., Feb. 18, 1891; *s.* Jacob and Martina (Herbert) B.; reared on farm; *m.* M. Donna Downs, Apr. 30, 1918. B.S.A., Univ. Wis., 1914; M.S., 1916. Alpha Zeta.

Beckman, Frederick William, prof. agrl. journalism and ed. bulletins, Ia State Coll., Ames, Ia.

City ed., Sioux City Journal, Ia., 1902; ed. Council Bluffs Daily Nonpareil, 1902-3; manag. ed., Des Moines Register & Leader, 1903-9; ed. Sunday Magazine Syndicate, 1909-10; assoc. ed., Des Moines Register & Leader, 1910-1; instr. agrl. journalism, Ia. State Coll., 1911-2; prof., 1912–; ed. publications, Ia. Exp. Sta., 1911–. Pres. Amer. Assoc. Agr. Coll. Editors, 1916; adv. Amer. Assoc. Agr. Coll. Mag., 1915–; mem. state exec. com., Ia. Y. M. C. A., 1914–. Enlisted Army Y. M. C. A. work, 1918; mem. Army ed. corps, A. E. F., 1919; sec. Agrl. Coll. faculty, A. E. F. Univ., Beaune, France, 1919; ext. work with A. E. F. Univ. in France and Germany, 1919.—*b.* Clayton, Ia., Sept. 5, 1873; *s.* Herman F. and Louise (Kurdlemeyer) B.; reared in village and on farm; *m.* Anna McCullough, June 18, 1901; *c.* Richard W., Elizabeth Louise. Ph.B., Univ. Ia., 1897. Phi Kappa Phi; Alpha Zeta; Delta Sigma Rho; Sigma Delta Chi.

Beckwith, Theodore Day, bact., Ore. Exp. Sta., Corvallis, Ore.

Sci. asst., U. S. Dept. Agr., 1904-7; bact., N. D. Agr. Coll. and Exp. Sta., 1907-11; present position, 1911–. Fellow A. A. A. S. Mem. Ore. Rabbit Comn. Operator dairy and fruit farm. —*b.* Utica, N. Y., Dec. 8, 1879; *s.* Theodore Geo. and Jane Sophia (Day) B.; reared in town; *m.* Cornelia Maria Lyon, June 26, 1910; *c.* Josephine Day, Jane Crosby, Stephen Lyon, Theodore D. Jr. B.S., Hamilton Coll., 1904; M.S., 1907. Phi Beta Kappa; Delta Upsilon; Alpha Zeta.

Becraft, Raymond J., asst. prof. range manag., Utah Agr. Coll., Logan Utah.
Grazing expert, U. S. For. Serv., summers 1913-6; grazing examiner, 1917-8. Traveled Europe, 1908-11.—*b.* Ogden, Utah, Mar. 16, 1890; *s.* Wm. and Nellie (Quibell) B.; reared on farm and in city; *m.* Ireta Harris, Dec. 24, 1919. B.S., Utah Agr. Coll., 1917. Pi Zeta Pi.

Bedford, Scott E. William, assoc. prof. sociol., Univ. Chicago, Chicago, Ill.
Princ. acad., Baker Univ., 1902-3 and prof. hist.; prof. sociol., Miami Univ., 1907-10; asst. prof., Univ. Chicago, 1910-6; assoc. prof., 1916–. Sec.-treas. Amer. Sociol. Soc., 1918–. *Auth.:* Labor Legislation in Kansas, 1905; Modern Cities, 1912. Editorial bd., Amer. Journal of Sociology. Traveled in Europe. (Municipal and rural sociol.).—*b.* Winterset, Ia., Mar. 8, 1876; *s.* Winfield S. and Jennie (Wilmore) B.; reared in town; *m.* Gussie Taggart. A.B., Baker Univ., 1902; A.M., 1903; L.H.D., Univ. Vt., 1911; grad. work, Univ. Chicago, 1903-7. Delta Tau Delta.

Beeler, Orie W., co. agrl. agt., Boone, Ia.
Instr. and princ. public schs., Tipton, Ia., 1916-7. Sec. Boone Co. Live Stock Assoc.; sec. Boone Co. Sheep and Wool Growers Assoc.—*b.* Mankato, Kans., Sept. 28, 1893; *s.* Douglas and Cynthia (White) B.; reared on farm; *m.* Louise E. Moffatt, June 25, 1919. B.S., Kans. State Agr. Coll., 1916. Sigma Nu.

Beeson, Malcolm Alfred, prof. agron. and agron. Exp. Sta., Okla. A. & M. Coll., Stillwater, Okla.
Prof. sci., E. Miss. Female Coll., Meridian, 1900-1; pres. and owner of Meridian Male Coll., 1903-13; co-pres., Meridian Coll., 1913-4; present position, 1914–. Mem. com. soils for Nat. Conservation Congress, 1916. Sec.-treas. Okla. Seed Growers Assoc.—*b.* Gadsden, Ala., June 20, 1879; *s.* Wm. Baker and Mary Ann (Sebirt) B.; reared on farm; *m.* Effie Harrison, July 14, 1904; *c.* Evelyn, Wilhelmina, Wm. Malcolm. B.S., Ala. Poly. Inst., 1900; D.Sc., Meridian. Coll.; grad. student, Johns Hopkins Univ., 1901-3.

Behrens, Charles August, prof. bact., Purdue Univ., La Fayette, Ind.
Instr. bact., Univ. Mich., 1910-4; present position, 1914–. First Lieut., Sanitary Corps, U. S. Army. (Bact. and protozool.).—*b.* Grand Rapids, Mich., Jan. 5, 1885; *s.* August C. and Anna D. (Bornemann) B.; reared in town. B.S., Univ. Mich., 1909; M.S., 1910; Ph.D., 1913. Sigma Xi.

Beier, Herbert H., co. agrl. agt., Coeur d'Alene, Ida.
Mem. Co. Council Defense, speakers' com.—*b.* Council, Ida., June 15, 1891; *s.* Fred W. and Amelia (Snow) B.; reared on farm; *m.* Dorothy Addu, Sept. 10, 1918. B.S.A., Univ. Ida., 1915. Beta Theta Pi.

Belden, William S., meteorologist, U. S. Weather Bur., St. Joseph, Mo.
Aerial observer, Weather Bur., Dodge City, Kans., summer 1898; asst. observer, Kansas City, Mo., 1899; sect. dir. in chg. Miss. Sect., 1900-10; chg. Weather Observatory, St. Joseph, 1910–. —*b.* Honey Creek, Wis., Apr. 9, 1869; *s.* Squire C. and Jennie (Cottrell) B.; reared on farm; *m.* Lillian C. Elliott, July 21, 1897; *c.* Elliott S., Gail C. B.S., Washburn Coll., Topeka, Kans., 1895; grad. student, Univ. Chicago, 1896.

Bell, Floyd Wayne, assoc. prof. an. husb., Kans. State Agr. Coll., Manhattan, Kans.
Instr. an. husb., Tex. A. & M. Coll., 1912-3; asst. prof., 1913-4; assoc. prof., 1914-8; present position, 1918–. Sec. Kans. State Livestock Registry Bd., 1918–; sec. Kans. Horse Breeders Assoc., 1918–; sec. Tex. Horse Breeders Assoc., 1915-8. (Beef cattle, horses).—*b.* Rome, N. Y., Oct. 23, 1887; *s.* Geo. H. and Ida A. (Risley) B.; reared on farm; *m.* Mildred Frances Dudley, Sept. 10, 1913; *c.* Dorothy Jane. B.S.A., Cornell Univ., 1911; grad. student Ohio State Univ., 1911-2. Alpha Zeta.

Bell, George Arthur, sr. an. husb., Bur. An. Ind., U. S. Dept. Agr., Washington, D. C.
Live-stock farmer and poultryman, Rome, N. Y., 5 yrs. Invest. live-stock conditions in Europe for U. S. Govt., 1919. Mem. Nat. Guard, D. C., 1916-7; Capt., Remount Serv., U. S. Army,

1918.—*b.* Rome, N. Y., May 14, 1879; *s.* Geo. H. and Ida A. (Risley) B.; reared on farm. B.S.A., Cornell Univ., 1904. Alpha Zeta.

Bell, N. Eric, consulting soil specialist, Bell Bldg., Montgomery, Ala.

Asst. agrl. chem., Univ. Ill., 1906-7; Ala. Poly. Inst., 1907-10; chief surveyor and insp., Ala. Soil Survey, 1910-7; co. agrl. agt., Greenville, Ala., 1917-9.—*b.* Lenoir Co., N. C., Mar. 17, 1886; *s.* Jas. H. and Mary John (Rouse) B.; reared on farm and in small town; *m.* Lucile Wright, Apr. 18, 1911. B.S., N. C. A. & M. Coll., 1906.

Bell, Norman Frederick, farmer and stockman, Islay, Alta.

Asst. plotman, Univ. Alta., 1916; Dominion Exp. Sta., Lacombe, Alta., 1917-8. Sec.-treas. Alta. Aberdeen-Angus Breeders Assoc., 1918-20.—*b.* Waverley, Ont., Apr. 13, 1891; *s.* John Jas. and Margaret (Copeland) B.; reared on farm; *m.* Mary E. Peacock, Jan. 21, 1919; *c.* Arthur Norman. B.S.A., Univ. Alta., 1919.

Bell, Robert Harry, ext. hort., Penn. State Coll., State College, Pa.

Asst. hort., Penn. State Coll., 1910-1; practical work, 1911-2; asst. expl. pom., Penn. State Coll., 1912-4; agt., Lycoming Co., Pa., 1914-9. (Fruit production). —*b.* Neff's Mills, Pa., Jan. 20, 1881; *s.* G. W. and Anna (Gettis) B.; reared on farm; *m.* Ethel I. Early, Apr. 15, 1913; *c.* Geo. Early, Margaret Ann, Wm. Gettis. B.S.A., Penn. State Coll., 1910. Alpha Zeta; Phi Kappa Phi.

Bemies, Charles O., state superv. town and country survey, Interchurch World Movement, Brookings, S. D.

In Y. M. C. A. work, Burlington, Ia., 2 yrs.; teach. Y. M. C. A. Coll., Springfield, Mass., 1 yr., Mich. Agrl. Coll., 2 yrs.; country pastor, W. Pa., 2½ yrs.; pastor rural church, McClellandtown, Pa., 16 yrs. In reconstruction work in France, 1918-9; field lect., A.E.F. Univ., Beaune, France. —*b.* Northfield, Vt., Mar. 19, 1867; *s.* Jas. O. and Medora E. B.; reared in city; *m.* Lina Stracke, May, 1891 (d. 1913); 2d Madeleine S. Levy, Oct. 1918, *c.* Carl L., Clifton S. Western Theol. Sem., Pittsburgh, 1897; ordained Presbyterian minister, 1897; D.D., Geneva Coll., 1917.

Bemis, Kris Paul, co. agr'. agt., Wellsburg, W. Va.

Manag. Diehl Fruit Co., Honor, Mich., 1915-8; present position, 1919–. In U. S. Navy, 1918-9. (Hort.).—*b.* Carson City, Mich., July 17, 1892; *s.* Arthur L. and Sarah J. B.; reared in town and on farm; *m.* Hazel E. Warren, July 30, 1917; *c.* Robt. K. B.S., Mich. Agr. Coll., 1915.

Bender, Wilbur H., state dir. voc. educ. and superv. voc. agrl. educ., Des Moines, Ia.

Teach. rural schs., O., 1881-3; princ. and supt. schs., Ia., 1886-9, 1890-3, 1895-7; dir. dept. of training in teaching, Ia. State Teach. Coll., 1897-1913; asst. prof. agrl. educ., Ia. State Coll., 1913-4; assoc. prof. agrl. educ., Univ. Minn., 1914-8; present position, 1918–. *Auth.:* The Teacher at Work, 1902; Geography of Iowa, 1908.—*b.* Williams Center, O., Apr. 15, 1860; *s.* Daniel and Nancy (Fisher) B.; *m.* Eva Tomlinson, Aug. 8, 1889; B.Di., Ia. State Normal Sch., 1886; M.Di., 1890; Ph.B., Univ. Ia., 1895; B.S. in Agrl. Educ., Ia. State Coll., 1914. Phi Beta Kappa; Gamma Sigma Delta.

Benedict, Murray Reed, farm manag. specialist, S. D. State Coll., Brookings, S. D.

Agrl. instr., Boscobel, Wis., 1913-4; Aurora, Minn., 1916-7; asst. dairy husb., Univ. Ill., winter, 1917-8; co. agt., Mankato, Minn., 1918-9; present position, 1919–.—*b.* Neillsville, Wis., Jan. 23, 1892; *s.* Julius S. and Celia Ruth (Reed) B.; reared on farm; *m.* Elizabeth Tucker, Aug. 16, 1916; *c.* Bruce Tucker. B.Sc., Univ. Wis., 1916. Alpha Zeta.

Bengston, Nels August, prof. geography and conservation, Univ. Neb., Lincoln, Neb.

Princ. high-sch., St. Paul, Neb., 1902; instr. geography, Peru Normal Sch., 1904-6; assoc. prof. geography, Univ. Neb., 1908-16; present position, 1917–; assoc. dir. Neb. Soil Survey, 1913–. Treas. Nat. Council of Geography Teachers. *Auth.:* Physical Geography Manual, 1912; The Wheat Industry, 1915. Farmer, 3 yrs.—*b.* Morkhult, Sweden, May 22, 1879 (naturalized 1895); *s.* Aug. and Hannah (Johnson)

B.; reared on farm; *m.* Iva Maxcy, June 14, 1902; *c.* Juanita L., Paulus A., Rowena V. A.B., Univ. Neb., 1907; A.M., 1908. Sigma Xi; Sigma Phi Epsilon.

Benjamin, Earl W., asst. prof. poultry husb., Cornell Univ., Ithaca, N. Y.

Instr. poultry husb., Cornell Univ., 1912-4; asst. prof., 1915–. Asst. poultry dept., N. Y. State Fair. (Marketing poultry products).—*b.* Almond, N. Y., Oct. 16, 1889; *s.* Olney T. and Ada B. (Whitney) B.; reared on farm; *m.* Eva I. Hollister, July 21, 1915; *c.* Roger Olney. B.S.A., Cornell Univ., 1911; M.S.A., 1912; Ph.D., 1914. Sigma Xi; Alpha Gamma Rho.

Benner, James William, asst. prof. vet. med., Mich. Agr. Coll., E. Lansing, Mich.

Vet. practice, 1911-4; instr. vet. med., Kans. State Agr. Coll., 1914-7; present position, 1917–.—*b.* Hamlin, Kans., June 24, 1887; *s.* Harry M. and Mary S. (Swartley) B.; reared in town and on farm; *m.* De Nell G. Lyon, Sept. 11, 1912; *c.* David Lyon. D.V.M., Kans. State Agr. Coll., 1911. Alpha Psi.

Bennetch, Paul Bomberger, specialist marketing dairy products, Bur. Markets, N. J. Dept. Agr., Trenton, N. J.

Asst. dairy husb., Penn State Coll., 1909-10; farm supt., Ellsworth, Pa., 1910-2; instr. an. husb., N. Y. State Sch. Agr., Canton, 1912-3; prof. dairy husb., W. Va. Univ., 1913-5; co. agrl. agt., Sussex Co., N. J., 1915-8; present position, 1918–.—*b.* Newmanstown, Pa., Oct. 27, 1885; *s.* John H. and Eliza (Bomberger) B.; reared on farm; *m.* Elva Elizabeth Straley, Oct. 20, 1915. B.S.A., Penn. State Coll., 1909. Delta Upsilon; Alpha Zeta; Phi Kappa Phi.

Bennett, Dwight Hamilton, vet., Substa. 14, Sonora, Tex.

Farmer and poultryman, Pa., 12 yrs. (Diseases of sheep, Angora goats and cattle).—*b.* Buffalo, N. Y., June 1, 1886; *s.* Dwight and Sarah E. (Hoyt) B.; reared in city and on farm. D.V.M., Univ. Penn., 1915. Alpha Psi.

Bennett, Edmund R., field hort., Univ. Ida., State House, Boise, Ida.

Asst. hort., Conn. Agr. Exp. Sta., 1903-6; asst. hort., Colo. Exp. Sta., 1906-9; hort., Colo. Agr. Coll., 1909-13; hort., C. R. I. & P. R. R., 1913-4; present position, 1916–.—*b.* Geneva, Mich., June 3, 1874; *s.* Roswell and Mary Jane (Hodges) B.; reared on farm; *m.* Anna B. Kiehm, Oct. 28, 1909. B.S., Mich. Agr. Coll., 1902; Mast. Hort., 1908.

Bennett, Hugh Hammond, soil sci. and insp. Southern Div., U. S. Soil Survey, Dept. Agr., Washington, D. C.

Farmer near Wadesboro, N. C., 6 yrs.; asst. chem., Univ. N. C., 2 yrs. Headed govt. exploring party to Alaska to report on agrl. possibilities of regions for locating govt. railroad; mem. com. to investigate conditions in Chugach Nat. For., Alaska; mem. com. sent to Panama by Pres. Taft; mem. Guatemala-Honduras Boundary Comn., 1919. 1st Lieut. Engin. Corp, U. S. Army, 1918-9. *Auth.:* The Soils and Agriculture of the Southern States.—*b.* Wadesboro, N. C., Apr. 15, 1881; *s.* W. O. and Rosa (Hammond) B.; reared on farm; *m.* Edna McCue, 1907 (d. 1909); *c.* Sarah Edna. B.S., Univ. N. C., 1903. Phi Delta Theta.

Bennett, Madge Harrison, home dem. agt., Blackstone, Va.

Matron and teach. dom. sci. and art, Annville Inst., Ky., 1914-5; teach. dom. sci. and art, Logan high-sch., 1915-6; dietitian, Foulke-Loud Inst., Germantown, Pa., 1917-8; teach. Latin, Blackstone Coll., 1918-9; present position, 1919–.—*b.* Monmouth Jct., N J., Apr. 28, 1889; *d.* Henry and Annie (Gulick) B.; reared in small town. A.B., Randolph-Macon Coll., 1913; student Rutgers Coll.

Bennett, William Topley, co. agrl. agt., Griffin, Ga.

Farmer, 3 yrs. (Live-stock, especially Shorthorns).—*b.* Jefferson, Ga., May 10, 1891; *s.* Geo. D. and Effie (Jackson) B.; reared on farm; *m.* Annie N. Little, Nov. 24, 1915; *c.* Wm. T. Jr. B.S.A., Univ. Ga., 1913.

Benson, Edwin Freeland, comnr. of agr., and pres. Wash. State Land Settlement Assoc., Olympia, Wash.

Farmer and stock-raiser, Wash., 1883–. Probate judge, Lincoln Co., 1884-7. Pres. Wash. Irrig. Inst., 1913–;

former pres. Wash. Live-stock Assoc., Wash. Hort. Assoc.—*b.* Swan's Isls., Me., Feb. 2, 1861; *s.* Freeland Howe and Elizabeth Hannah (Sadler) B.; reared in city; *m.* Effie F. Kimball, Dec. 16, 1884; *c.* Myra B. LL.B., Boston Univ., 1881.

Benson, Henry Sylvester, co. agrl. agt., Sullivan, Ind.

Teach. voc. educ., Purdue Univ., 1916-7. (An. husb.).—*b.* Owensville, Ind., Mar. 18, 1894; *s.* Jas. E. and Viola K. B.; reared on farm; *m.* Beulah F. Knowles, Aug. 9, 1917. B.S., Purdue Univ., 1916. Lambda Chi Alpha.

Benson, Oscar Herman, agrst., dir. Junior Achievement Bur., Stearns Bldg., Springfield, Mass.

Teach. rural schs. in Ia., 2 yrs.; teach. and princ. town schs., 5 yrs.; city supt. and princ. high-sch., 4 yrs.; in chg. boys' and girls' ext. work, U. S. Dept. Agr., Washington, 10 yrs. First pres. Nat. Conference of Ext. Educ. *Auth.:* Agriculture for Corn Belt States, 1916; Agriculture, 1915 (with Betts); Agriculture and the Farmer's Business, 1917; Home Canning and Food Thrift (with Allen); Elements of Home Making and House Keeping (with Mrs. Sadie J. Benson), 1920.—*b.* Delhi, Ia., July 8, 1875; *s.* P. C. and Celia (Orthberg) B.; reared on farm; *m.* Sadie Jackson, July 30, 1902; *c.* Donald Dean, Margaret Irene, Elizabeth. Grad. Jr. Coll., Epworth Sem., Ia.; special courses at Univ Ia., Chicago Univ., Ia. State Coll., Moody Inst., Chicago.

Bentley, Gordon Mansir, state ent. and assoc. prof. ent. and econ. zool., Univ. Tenn., Knoxville, Tenn.

Prof. sci., Union Acad., Belleville, N. Y., 1901-4; instr. ent., N. C. A. & M. Coll., 1904-5; asst. ent., N. C. Exp. Sta. and state ent., 1904-5; instr. zool. and ent., Univ. Tenn., 1905-7; asst. prof., 1907-9; state ent., 1909–; assoc. prof., 1914–. Fellow A. A. A. S. Sec.-treas. Tenn. Hort. Soc.; sec.-treas. Tenn. State Nurserymens Assoc.; sec.-treas. Tenn. State Florists Assoc.; sec.-treas. Tenn. Beekeepers Assoc.; 3d vice-pres. Amer. Assoc. Econ. Ent. and permanent sec. apicultural sect.; pres. E. Tenn. Beekeepers Assoc.; collaborator Fed. Hort. Bd.;—*b.* Great Barrington, Mass., Sept. 23, 1876; *s.* Chas. H. and Elvira (Mansir) B.; reared on farm and in town; *m.* Mary Catherine Elmore, June 12, 1912; *c.* Jaunita Louise, Edna Elvira. B.S.A., Cornell Univ., 1900; A.M., 1901. Sigma Xi; Gamma Alpha; Phi Kappa Phi.

Bentley, John Jr., prof. for. engin., Cornell Univ., Ithaca, N. Y.

With U. S. For. Serv.. 1908-12; asst. prof. for., Cornell Univ., 1912-8; prof. for. engin., 1918–. *Auth.:* (with Recknagel) For st Management, 1919.—*b.* Brooklyn, N. Y., June 8, 1880; *s.* John and Lizzie (Annin) B.; reared in city; *m.* Sue Hayward, Oct. 5, 1910; *c.* Sue Hayward. B.S., Wesleyan Univ., 1904; M.F., Yale Univ., 1907. Phi Beta Kappa; Sigma Xi; Psi Upsilon.

Benton, Alva Hartley, prof. farm manag. and rural econ., Man. Agr. Coll., Winnipeg, Man.

Asst. prof farm manag., Univ. Minn., 1913-8; present position, 1918–. *Auth.:* Family Account Book, 1915.—*b.* Mendon, O., Jan. 26, 1886; *s.* Chester Elias and Addie Caldwell (Snodgrass) B.; reared on farm; *m.* Alice Mitchamore, 1913; *c.* Robt. Hartley, Elizabeth Louise. B.S.A., Ohio State Univ., 1912; M.S., Penn. State Coll., 1913. Pi Kappa Alpha.

Benton, Richard Horace, farmer, Wakefield, La.

Agrl. agt., Grant Parish, La., 1914-7; beef cattle specialist, La. State Univ., 1917; agrl. agt., W. Feliciana Parish, 1919; manag. Island Plantation, La. 1919–. Sec. La. Hereford Breeders Assoc.; sec. W. Feliciana Fair Assoc. Served as private to 1st Lieut., U. S. Army, 1918-9.—*b.* Odessa, Mo., Mar. 20, 1892; *s.* Richard Higgins and Alice Lura (Johnson) B.; reared on farm; *m.* Eva May Ball, Feb. 29, 1920; *c.* Alice May. B.S.A., Univ. Mo., 1913.

Berckmans, Louis Alphonse, consulting hort., Augusta, Ga.

Peach-grower and farmer, 1876–. Traveled in Europe.—*b.* Plainfield, N. J., Mar. 31, 1857; *s.* Prosper Jules Alphonse and Mary (Craig) B.; reared in country; *m.* Anne Loretta McGloine, Nov. 15, 1916; *c.* Mary Alice. Grad. Richmond Acad., Augusta, Ga., 1875.

Berckmans, Prosper Jules Alphonse Jr., hort., Augusta, Ga.

Nurseryman, farmer and peach-grower, 1886–. Mem. bd. dirs., Ga. Fruit Exchange.—*b.* Augusta, Ga., June 27, 1866; *s.* Prosper Jules Alphonse and Mary (Craig) B.; reared in country; *m.* Sallie Bedle, Apr. 16, 1899. Grad. Univ. Ga. Sigma Alpha Epsilon.

Berckmans, Robert Craig, hort., fruit-grower and farmer, Macon, Ga.

Mem. Ga. State Bd. Ent.; pres. Ga. State Hort. Soc.; ex-pres. Amer. Assoc. Nurserymen; ex-pres. Ornamental Growers Assoc. of Amer.; ex-pres. Southern Assoc. Nurserymen; pres. Richmond Co. Agrl. Soc. Traveled in foreign countries. Retired officer Nat. Guard of Ga. (cavalry).—*b.* Augusta, Ga., July 3, 1863; *s.* Prosper Jules Alphonse and Mary (Craig) B ; reared on farm; *m.* Caroline Walker Horne, Apr. 29, 1905; *c.* Mary Craig, Annie Horne, Louis Alphonse, Caroline Horne. Grad. Univ Ga., 1881. Sigma Alpha Epsilon.

Beresford, Rex, ext. prof. an. husb., Ia. State Coll., Ames, Ia.

Agrl. expert and publicity man for Avery Farm Machinery Co., 1911-2; field agt., Ia. Beef Producers Assoc., 1912-5; present position, 1915–. Farmer and Breeder Shorthorn cattle, 1917–. (Live-stock breeders' organizations).—*b.* Vinton, Ia., Dec. 18, 1885; *s.* Howard L. and Leah (Williams) B.; reared on farm; *m.* Mary Blodgett, 1912; *c.* Robt., Donald Rex, Bruce Comstock. B.S., Ia. State Coll., 1911.

Berger, Alvin C., co. agrl. agt., Lebanon, Pa.

b. Bernville, Pa., Sept. 21, 1888; *s.* Morris C. and Rebecca (Seaman) B.; reared on farm. B.S., Penn. State Coll., 1917. Phi Kappa Phi.

Berger, Edward William, ent., State Plant Bd., Gainesville, Fla.

Prof. sci., Baldwin-Wallace, 1899-1901; teach. sci., Lincoln high-sch., Cleveland, O., 1901-2; private invest., 1902-5; ent. studies, Lake Lab. and Ohio State Univ., 1905-6; ent., Fla. Exp. Sta., 1906-11; state insp. nursery stock, Fla., 1911-5; prof. ent., Univ. Fla. 1911-5; ent., State Plant Bd. of Fla., 1915–. Winner silver medal, Royal Intern. Hort. Exhibition, London, 1912. Student invest. with Johns Hopkins exped. to Jamaica, 1897; Woods Hole, Mass., 1898; Beaufort, N. C., 1899. Fellow A. A. A. S. (Control of noxious insects, citrus insects, growing entomogenous fungi in pure cultures, insecticides).—*b.* Berea, O., Nov. 29, 1869; *s.* Carl Gottlob and Christiane Pauline (Gellrich) B.; reared in country and town; *m.* Emily Agnes Mueller, June 25, 1903; *c.* Helen Margaret (adopted). A.B., Baldwin-Wallace, 1891; Ph.B., 1894; Ph.D., Johns Hopkins Univ., 1899. Sigma Xi; Phi Kappa Phi.

Bergh, Otto Ingman, supt. N. Cent. Exp, Sta., Univ. Minn., Grand Rapids, Minn.

Supt. public schs., Gary, Minn., 1902; Hendrum, Minn., 1906-9; dir. agr., Putnam High-Sch., Bemidji, 1911-2; agron., N. W. Sch., Crookston, 1912-4; present position, 1914–. Mem. Minn. State Land Improvement Comn., 1916–; chm. agrl. com., N. Minn. Development Assoc.; mem. exec. com., Minn. Farm Bur. Fed. Traveled in Europe, 1914, to study govt. exp. stas.—*b.* Westby, Wis., Oct. 5, 1877; *s.* Johannes J. and Karie C. (Hovde) B.; reared on farm; *m.* Frances Stark Hovey; *c.* Otto Hovey, Sarah Karina, Daniel Dustin. B.S.A., Univ. Wis., 1911. Acacia.

Bernard, Luther Lee, assoc. prof. sociol., Univ. Minn., Minneapolis, Minn.

Instr. sci., Peirce City Baptist Coll., 1901-3; instr. ancient languages, Lamar Coll., Mo., 1903-5; fellow in sociol., Univ. Chicago, 1907-10; instr. sociol., Western Reserve Univ., 1910-1; prof. hist. and social sci., Univ. Fla., 1911-4; acting prof. and asst. prof. sociol., Univ. Mo., 1914-7; present position, 1917–. (Rural sociol.).—*b.* Russell Co., Ky., Oct. 29, 1881; *s.* Hiram Hamilton and Julia Anne (Wilson) B.; reared on farm; *m.* Frances Fenton, Sept. 16, 1911; *c.* Mary Marjorie. B.S., Peirce City Baptist Coll., 1900; A.B., Univ. Mo., 1907; Ph.D., Univ. Chicago, 1910. Phi Beta Kappa; Phi Kappa Phi; Alpha Zeta Pi.

Berry, Cyrus Miner, co. agrl. agt., Sanford, Fla.

Labor comnr. for south central Fla., 1917-8. Farmer, Fla., 18 yrs. (Citrus and truck crops).—*b.* Winchester, Ill., Apr. 23, 1870; *s.* Wm. C. and Emily

(Miner) B.; reared in town and on farm; *m.* Riley M. Fletcher. Grad. Nevada Business Coll., Mo., 1890.

Berry, James Berthold, prof. plant path. and for. and dir. For. Sch., Univ. Ga., Athens, Ga.

For. asst., U. S. For. Serv., 1910-1; instr. for., Penn. State Coll., 1911-3; prof. for. and dir. Ga. State For. Sch., 1914–; prof plant path. and for., Univ. Ga., 1917–. Mem. Ga. sect., Plant Pest Comn.; state leader ext. projects in plant disease and farm for.; chief collaborator for Ga. of U. S. Plant Disease Survey; collaborator for Botanical Abstracts. Sec. Wood-Fuel Dept., Federal Fuel Adminis. for Ga. Traveled and studied 15 mos. in Europe.—*b.* Edwardsville, Ill., Aug. 2, 1880; *s.* Jas. Frederick and Fanny (Meyer) B.; reared on farm and in small town; *m.* Gladys E. Jones, Dec. 26, 1914; *c.* Jas. B. Jr. B.S., Univ. Minn., 1910; M.S., Penn. State Coll., 1913; candidate for D.Oec., Univ. Munich, 1913-4; grad. student, Mich. Agr. Coll., 1917, Univ. Ga., 1918-20.

Besse, Ralph Stephen, state leader co. agts., Univ. Wyo., Laramie, Wyo.

Asst. state leader farm advs., Univ. Mo., 1913-5; present position, 1916–. Mem. Wyo. State Bd. Nat. Defense.—*b.* Carthage, Mo., Nov. 27, 1887; *s.* Furrow and Ida (May) B.; reared on farm; *m.* Helen Margaret Haines, Oct. 31, 1916; *c.* Wm. Furrow. B.S.A., Univ. Mo., 1913; M.A., 1917.

Bessey, Ernst Athearn, prof. bot., Mich. Agr. Coll., E. Lansing, Mich.

Prof. bot. and bact., La. State Univ., 1898-1910; present position, 1910–. Asst. plant path., U. S. Dept. Agr., 1899-1901, 1904-5; chg. Off. Seed and Plant Introduction, 1901-2; chg. Subtropical Lab., Miami, Fla., 1905-8. Treas. Mich. State Potato Assoc., 1914-8; pres. Mich. Acad. Sci., 1915-6. Traveled as agrl. explorer, U. S. Dept. Agr., in Russia, Caucasus and Turkestan, 1902, 1903, Algeria, 1904. *Auth.:* (with C. E. Bessey) Essentials of College Botany, 1914. *Assoc. ed.*, Phytopathology, 1915-7; Amer. review ed., Rivista di Patologia Vegetale. (Plant path., mycology).—*b.* Ames, Ia., Feb. 20, 1877; *s.* Chas. E. and Lucy (Athearn) B.; reared in city; *m.* Edith Carleton Higgins, July 25, 1906; *c.* Bertha Agnes, Wm. Higgins, Robt. John. B.A., Univ. Neb., 1896; B.Sc., 1897; M.A., 1898; Ph.D., Univ. Halle, 1904. Phi Beta Kappa; Sigma Xi; Alpha Zeta.

Bethel, Ellsworth, for. path., U. S. Dept. Agr., State Museum, Denver, Colo.

Instr. biol., high-sch., Denver, Colo., 1890-1917; present position, 1917–; teach biol., summer-sch., Univ. Colo., 1904, 1911, 1914. Mem. Bd. State Conservation Comn.; State Geographic Bd.; vice-pres. Bd. of State Hist. and Nat. Hist. Soc. of Colo. Pres. Colo. Acad. Sci.; fellow Colo. Sci. Soc. Bot. collections in Cent. Amer. and Panama, 1913. (Bot.).—*b.* Smyrna, O., June 20, 1863; *s.* Wm. S. and Phoeboe (Price) B.; reared on farm. B.S., Grants Univ., 1884; M.A., Denver Univ., 1904.

Betz, Neven Ottillia, home dem. agt., Chamber of Commerce, St. Louis, Mo.

Teach. home econ., Humboldt Coll., Minneapolis, 1914-5; chg. home econ., high-sch., Belt, Mont., 1915-7; urban home dem. agt., Great Falls, Mont., 1917-8; present position, 1919–. Amer. Red Cross Canteen worker in France and Germany, 1918-9.—*b.* Fairmont, Minn., Sept. 3, 1892; *d.* Fred and Ida Mary (Frehan) B.; reared in town. B.A., Univ. Wis., 1913. Delta Delta Delta.

Bever, James, head dept. hist. and social sci., State Normal Sch., Bellingham, Wash.

Teach. rural schs., Ia., 1891-8; village sch., Grant, Ia., 1900-1; Atalissa, 1902; Capital Park high-sch., Des Moines, 1902-3; princ. Park Ave. Sch., Des Moines, 1903-4; teach. sci. and math., high-sch., N. Yakima, Wash., 1904-5; princ. high-sch., N. Yakima, 1905-9; present position, 1909–. Del. Nat. Conference of Charities and Correction, Seattle, 1913. Farm operator, 1 yr. (Rural sociol.).—*b.* Hartford, Ia., July 4, 1870; *s.* Geo. Turner and Mary Esther (Freel) B.; reared in small town; *m.* Virginia Miriam Hickey, 1906; *c.* Elizabeth Esther, Allena Miriam, Virginia Margaret. A.B., Drake Univ., 1902; M.A., 1906.

Bevier, Isabel, prof. household sci. and dir. courses, Univ. Ill., Urbana, Ill.

Princ. high-sch., Shelby, O., 1885-7; Mt. Vernon, 1887-8; prof. nat. sci., Pa. Coll. for Women, 1889-97; prof. chem., Lake Erie Coll., Painesville, O., 1899-1900; present position, 1900–. Asst. in nutr. invest., U. S. Dept. Agr., 1894-9. Mem. exec. council and ex-pres. Amer. Home Econ. Assoc. Chm. Dept. Conservation, Council Nat. Defense. Woman's Com., Ill. Div.; home econ. dir. for Ill. Food Adminis., one of six chm. home econ. div. of Food Adminis. under Mr. Hoover, 1917-8. *Auth.:* The Home Economics Movement, 1906; The House, 1907; Food and Nutrition (with Susanna P. Usher), 1908; selection and Preparation of Food (with Anna R. Van Meter), 1907, 1910, 1915.—*b.* Plymouth, O., Nov. 14, 1860; *d.* Caleb and Cornelia (Brinkerhoff) B.; reared on farm. Ph.B., Univ. Wooster, 1885; Ph.M., 1888; studied Case Sch. Applied Sci., summers 1888, 89; Harvard, summer 1891; Prof. Atwater's lab., summer, 1894; Mass. Inst. Tech., 1897-8; D.Sc., Ia. State Coll., 1920. Sigma Xi.

Bewick, Thomas Lyman, state club leader, Univ. Wis., Madison, Wis.

Princ. high-sch., Bloomington, Wis., 1902-4; Mt. Horeb, Wis., 1907; princ. Manzanita Hall, Palo Alto, Calif., 1908; city supt. schs., Horicon, Wis., 1909-12. —*b.* Windsor, Wis., Apr. 30, 1879; *s.* Wm. W. and Jennie S. (Wood) B.; reared on farm; *m.* Pauline L. Zedler, Sept. 22, 1913; *c.* T. L. Jr. Ph.B., Univ. Wis., 1906; M.S., 1914.

Bickford, Frederic H., farmer and creamery operator, Bradford, Vt.

Sec. Vt. Dairymens Assoc., 12 yrs.; pres., 2 yrs.; farm labor agt. for Vt.; vice-pres. Vt. State Fair Comn. and comnr. at large; mem. Vt. Comn. on Foreign and Domestic Commerce.—*b.* Lebanon, N. H., Dec. 15, 1869; *s.* Jas. H. and Emma (Hadlock) B.; reared on farm and in village; *m.* Luella F. Ford, Sept. 17, 1887.

Biery, Calvin John, head dept. rural educ., Bowling Green State Normal Coll., Bowling Green, O.

Rural sch. teach.; supt. city schs., Oak Harbor and Wauseon, O.; supt. Fulton Co., O.; present position, 1915–. Mem. O. State Bd. Sch. Examiners.—*b.* Columbiana Co., O., Mar. 10, 1866; *s.* John and Mary Magadalena (Schwartz) B.; reared in town and country; *m.* Jennie Lyon, Dec. 24, 1890; *c.* Marguerite, Rosa, Leland C. B.S., Ohio Northern Univ., 1889; M.S., 1893; grad. student, Univ. Chicago.

Biester, Alice, assoc. prof. nutr., Univ. Minn., University Farm, St. Paul, Minn.

Instr. home econ., Purdue Univ., 1913-5; asst., Univ. Ill., summer 1913; asst. prof. nutr., Univ. Minn., 1915-9; assoc. prof., 1919–.—*b.* Belvidere, Ill., Jan. 10, 1890; *d.* Henry and Elizabeth (Schandelmeier) B.; reared on farm. A.B., Univ. Ill., 1912; A.M., 1913. Sigma Xi; Kappa Delta Pi; Omicron Nu.

Bigford, Gifford Llewellyn, ext. sheep husb., U. S. Dept. Agr. and Miss. A. & M. Coll., Agricultural College, Miss.

Sci. asst., U. S. Dept. Agr. and Univ. Ga., 1914-8; present position, 1918–.—*b.* Stockbridge, Wis., Oct. 3, 1887; *s.* Walter W. and Effie (Collins) B.; reared on farm; *m.* Eva M. Miller, Mar. 10, 1917. B.S.A., Univ. Wis., 1912.

Bill, Arthur J., agrl. reporter and ed., Bloomington, Ill.

Country sch. teach., 6 yrs.; newspaper work, 5 yrs.; agrl. ed., Daily Pantagraph, 23 yrs.; ed. Farmers' Voice, 3½ yrs.; ed. Community Building, 16 months; asst. ed. agrl. circulars, Univ. Ill., 2 yrs. (Farmers' organizations).—*b.* Great Valley, N. Y., Apr. 4, 1862; *s.* Marcius Edward and Harriet Adaline (Card) B.; reared on farm; *m.* Atha Stearns, 1889; *c.* Curtis Stearns, Edgar L., Frank Willmar, Arthur Clarence.

Billings, George Austin, agrst., Off. Farm Manag., U. S. Dept. Agr. and Md. State Coll., College Park, Md.

Chem., Mass. Exp. Sta., 1895-6; teach. sci., Baron de Hirsch Agr. Sch., Woodbine, N. J., 1899-1900; dairy husb., supt farm, instr. short-courses, N. J. Exp. Sta., 1903-8; present position, 1908–. Sec.-treas. Amer. Farm Manag. Assoc., 1913-5, pres., 1918.—*b.* S. Deerfield, Mass., July 28, 1870; *s.* Austin Ira and Harriet (Dickinson) B.; reared on farm; *m.* Minerva Powell Ferrabee, Apr. 11, 1900. B.S., Mass. Agr. Coll. and Boston Univ., 1895.

Bilsborrow, James D., asst. co. agt. leader, Univ. Ill., Urbana, Ill.

Agron., Minn. Exp. Sta., Crookston, 1910-2; agrl. manag., Adams & Frees Co., Lisbon, N. D., 1912-6; present position, 1916–. Dem., Amer. Sect., S. Russian Agrl. Expos., Ekaterinoslav, 1910.—*b.* Geneva, N. Y., Oct. 12, 1881; *s.* Geo. W. and Elizabeth A. (Monagle) B.; reared on farm; *m.* Medora A. Paddock, Dec. 27, 1911; *c.* Elizabeth, Althea. B.S.A., Univ. Minn., 1910. Sigma Xi; Alpha Zeta.

Bilsing, Sherman Weaver, prof. ent., Tex. A. & M. Coll., College Station, Tex.

Asst. ent. and zool., Ohio State Univ., 1912-3; instr. ent., Tex. A. & M. Coll., 1913-4; asst. prof., 1914-5; assoc. prof., 1915-6; prof., 1916–. (Pecan insects).—*b.* Crestline, O., Dec. 8, 1885; *s.* Wm. A. and Catharine (Weaver) B.; reared on farm. B.S., Otterbein Univ., 1912; A.B., Ohio State Univ., 1912; M.A., 1913. Sigma Xi.

Binding, Leo Ross, co. agrl. agt., Rochester, Ind.

Asst. agron., Ill. Exp. Sta., 1912-5; agron. and agrl. chem., Intern. Correspondence Schs., Scranton, Pa., 1915-8; agt. Fulton Co., Ind., 1918–. *Auth.:* Text-Book on Soil Improvement, 1917.—*b.* Stockbridge, Mich., Feb. 21, 1884; *s.* Willis and Louise (Johnson) B.; reared on farm; *m.* Louise A. Merboth, July 14, 1915; *c.* Kathryn Louise. B.Sc., Mich. Agr. Coll., 1912.

Bing, Phil C., asst. prof. journalism, Univ. Minn., Minneapolis, Minn.; 1883-Feb. 23, 1919. See Rus 1918.

Bingham, Herman West, co. agrl. agt., Monroe, Ga.

Supt. and agrst., Loranger Agr. Sch., Loranger, La., 1916-7.—*b.* Trenton, Ala., Dec. 8, 1893; *s.* Wm. Henry and Mary Eliza (Jones) B.; reared on farm; *m.* Fannie Lou Jackson, Aug. 31, 1916; *c.* Margaret. B.S., Ala. Poly. Inst., 1916.

Bioletti, Frederic Theodore, prof. viticulture, Univ. Calif., Berkeley, Calif.

Instr. viticulture, Univ. Calif., 1894-1901; lect. on hort. and wine-making, Elsenburg Coll., Cape Colony, 1901-4; present position, 1904–. Chm. Citrus Comn., Cape Colony, 1901-4. Viticultural invest. in Germany, France and Algeria, 1904-5. Farming, 12 yrs. (Olive-growing, preservation of veg. food products).—*b.* Liverpool, England, July 21, 1865; *s.* Frank T. and Frances (Richards) B.; reared on farm and in town; *m.* Eugenie Henriette Carlton, 1897; *c.* Dorotea Carlton. B.S., Univ. Calif., 1894; M.S., 1898. Sigma Xi.

Bird, Errol Stanley, co. agrl. agt., Canton, N. Y.

Sec. St. Lawrence Nat. Farm Loan Assoc., Canton.—*b.* N. Y., Aug. 20, 1890; *s.* Walter Eugene and Jessie (Gould) B.; reared on farm and in town; *m.* Ethel Morrell Crawford, Dec. 26, 1916; *c.* Samuel Eugene. B.S., Cornell Univ., 1914. Alpha Zeta.

Birdseye, Miriam, asst. ext. work with women, Off. Ext. Work North and West, States Relations Serv., U. S. Dept. Agr., Washington, D. C.

Instr. household arts, Hebrew Tech. Sch. for Girls, Brooklyn, N. Y., 1907-9; instr. cooking, Simmons Coll., 1909-10; instr. bact. and sanitation, Bates Coll., Me., 1911-2; lect. home econ. ext., Cornell Univ., 1913-4; asst. prof., 1914-7; present position, 1917–.—*b.* Brooklyn, N. Y., Dec. 18, 1878; *d.* Clarence F. and Ada J. (Underwood) B.; reared in city, summers in country. A.B., Smith Coll., 1901; graduate D.S., diploma, Pratt Inst., 1907; student at Teachers' Coll., Columbia Univ.

Bisby, Guy Richard, prof. plant path., Man. Agr. Coll., Winnipeg, Man.

Asst. bot., Purdue Univ., 1915-6; asst. plant path., Univ. Minn., 1916-20; present position, 1920–. Consulting path., Amer. Potato Corp., Presque Isle, Me., summers, 1914-5. (Rusts potato diseases).—*b.* Brookings, S. D., Aug. 17, 1889; *s.* Chas. R. and Sarah (McKnight) B.; reared on farm; *m.* Helen M. Hitchcock, Sept. 19, 1916. B.S., S. D. State Coll., 1912; M.A., Columbia Univ., 1917; Ph.D., Univ. Minn., 1918. Sigma Xi; Alpha Zeta.

Bishop, Charles McTyeire, pres. Southwestern Univ., Georgetown, Tex.

Adj. prof. Latin and Greek, Emory and Henry Coll., 1885-7; ordained Methodist minister, 1889; pastor, Asheville, N. C., 1887-9; Kans. City, Mo.,

1889-93, 95-98; Lexington, 1893-5; Nevada, 1898-1901; St. Joseph, 1901-5; Columbia, 1905-9; Mexico, 1909-10; Wichita Falls, Tex., 1910-1; pres. Southwestern Univ., 1911-. Mem. Bd. of Missions, M. E. Church, South, 1906-10; mem. Comn. on Unification M. E., M. E. South and Meth. Prot. Churches, 1910-. Lect. on rural sociol., literary and biblical subjects. Traveled in Europe, 1900. *Auth.:* Jesus the Worker, 1909.—*b.* Jefferson, N. C., Feb. 2, 1862; *s.* Benj. W. S. and Julia Anne (Goodykoontz) B.; reared in small town; *m.* Phoebe Eleanor Jones, June 3, 1889; *c.* Phoebe Eleanor, Mary Martha, Eugene Hendrix, Dorothea F., Rose Boddie. A.B., Emory and Henry Coll., Va., 1884; A.M., 1886; D.D., Central Coll., Mo., 1899. Sigma Alpha Epsilon.

Bishop, Edward Charles, state leader boys' and girls' clubs, Ia. State Coll., Ames, Ia

Co. supt. public instr., York City, Neb., 1900-4; deputy and state supt. public instr., Neb., 1905-10; present position, 1911-.—*b.* Stark Co., Ill., Sept. 29, 1870; *s.* John and Mary Elizabeth (Dodson) B.; reared on farm; *m.* Lulu A. Merrick, June 15, 1904; *c.* June, Warren Horatio. B.Di., Neb. Weslayan Univ., 1897; B.S., 1906; M.A. Univ. Neb., 1909. Phi Kappa Phi; Gamma Sigma Delta.

Bishop, Leon Thomas, co. agrl. agt., Lapeer, Mich.

Farmer, Almont, Mich., 1915-8.—*b.* Macomb Co., Mich., May 22, 1894; *s.* Frank L. and Genevieve (Thomas) B.; reared on farm; *m.* Emma L. Borland, Feb. 14, 1917; *c.* Mary Jean. B.S., Mich. Agr. Coll., 1915. Alpha Zeta.

Bishopp, Fred Corry, ent. insects affecting health of animals, U. S. Bur. Ent., Box 208, Dallas, Tex.

Fellow zool., Colo. Agr. Coll., 1902-3; asst. ent., Md. State Coll. and asst. state ent., 1903-4; with U. S. Dept. Agr., 1904-. Fellow A. A. A. S. (Med. and vet. ent.).—*b.* Virginia Dale, Colo., Jan. 14, 1884; *s.* Thos. Barton and Harriet C. (McKay) B.; reared on farm; *m.* Eulalie Virginia Spencer, Dec. 9, 1908; *c.* Harriet Eloise, Fred Thos., Howard Spencer, Hazel Eulalie. B.S., Colo. Agr. Coll., 1902.

Biskie, Herman Albert, instr. agr., high-sch., Fairfield, Neb.

b. Juniata, Neb., Aug. 2, 1892; *s.* Albert and Elizabeth (Rietz) B.; reared on farm. B.S.A., Univ. Neb., 1917.

Bisset, David Andreas, supt. Plant Introduction Field Sta., Brooksville, Fla.

b. New York, N. Y., Mar. 21, 1892; *s.* Peter and Maria (Anderson) B.; reared in country; *m.* Nellie Ray Arthur, June 28, 1917; *c.* Ruth Lewis.

Bisset, Peter, plant introducer in chg. foreign plant distribution, Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Mem. Intern. Jury Awards, Panama Pacific Expos., 1915. Former sec. Washington Florists Club; vice-pres. Amer. Carnation Soc.; dir. Amer. Rose Soc.; chm. rose sect., Amer. Breeders Assoc. Traveled in Porto Rico, Bermuda. *Auth.* The Book of Water Gardening, 1907.—*b.* Scotland, Apr. 24, 1869 (naturalized 1899); *s.* David and Margaret (Cunningham) B.; reared in country; *m.* Maria Anderson, Mar. 25, 1891; *c.* David A., Andrew G., Peter Jr., Maria, Geo., Alfred, Harry, Helen, Paul J.

Bixby, Frederick Louis, sr. irrig. engin., U. S. Bur. Public Roads, Univ. Nev., Reno, Nev.

Engin., Ore. Short Line, 1905-7; special agt., U. S. Dept. Agr., 1908-; chg. irrig. invest. in N. Mex., 1910-6; prof. civil and irrig. engin., N. Mex. A. & M. Coll., 1910-3; in chg. irrig. invest. in Nev., Irrig. Div., U. S. Bur. Public Roads, 1916-.—*b.* Moorehead, Minn., July 1, 1880; *s.* Russell Rock and Annie Elizabeth (Smith) B.; reared in city; *m.* Rhoda Adele Orgren, Dec. 30, 1907; *c.* Ruth Eleanor. B.S. in C.E., Univ. Calif., 1905; C.E., Univ. Nev., 1918. Sigma Alpha Epsilon.

Bixby, John Duncan Sr., ed. The Western Honey Bee, Covina, Calif.

Beekeeper, Ia., 1885-98; N. Y., 1898-1906; Calif., 1909-. *Ed.* and business manag., The Western Honey Bee, 1913-.—*b.* Green Bay, Wis., Feb. 25, 1858; *s.* Theron K. and Sabina C. (Duncan) B.; reared on farm; *m.* Alice E. Johnson, Nov. 10, 1881; 2d, Mrs. Elgenia B. Behrends, July 3, 1913; *c.* Arthur E., John D. Jr., Margaret Dorothy.

Bizzell, James Adrian, prof. soil tech., Cornell Univ., Ithaca, N. Y.

Instr. chem., N. C. & A. M. Coll. and asst. chem., N. C. Exp. Sta., 1895-1901; fellow chem., Cornell Univ., 1901-2; asst. chem., Cornell Exp. Sta., 1903-7; asst. prof. soil tech., Cornell Univ., 1907-12; prof., 1912–.—*b.* Glenwood, N. C., Apr. 13, 1876; *s.* Hannibal N. and Mary C. (Underwood) B.; reared on farm. B.S., N. C. A. & M. Coll., 1895; M.S., 1900; Ph.D., Cornell Univ., 1903.

Bizzell, William Bennett, pres. Tex. A. & M. Coll., College Station, Tex.

Supt. public schs., Navasota, Tex., 1900-10; pres. Coll. of Ind. Arts, Denton, 1910-4; present position, 1914–. Fellow A. A. A. S. *Auth.:* Judicial Interpretation of Political Theory, 1913; The Social Teaching of the Jewish Prophets, 1914; (with W. H. Duncan) Present Day Tendencies in Education, 1919. (Social and rural econ.).—*b.* Independence, Tex., Oct. 14, 1876; *s.* G. M. and Sarah Elizabeth (Wade) B.; reared on farm; *m.* Carrie Wray Sangster, Aug. 16, 1900; *c.* Sangster, Elaine. B.S., Baylor Univ., Waco, Tex., 1898; Ph.B., 1900; M.A., Univ. Chicago, 1910; D.C.L., Ill. Coll. of Law, 1912; LL.D., Baylor Univ., 1919.

Bjorka, Knute, co. agrl. agt., Northwood, Ia.

Agrl. dir., public schs., Belgrade, Minn., 1916-8; co. agt. Isanti Co., Minn., 1918-9; present position, 1919–.—*b.* Fergus Falls, Minn., Jan. 28, 1888; *s.* Ole T. and Kari (Olson) B.; reared on farm. B.S., Univ. Minn., 1916.

Black, Flora Snyder, farmer, organizer, 2200 DeLancey Pl., Philadelphia, Pa.

Pres. Soc. Farm Women of Pa.; chm. rural dept., E. Cent. Div., Nat. Y. W. C. A.; chm. Farm Women's Com., Emergency Aid of Pa.; chm. Farm Women's Com., Amer. Com. for Devastated France. State vice-pres. Daughters of 1812; mem. exec. com., Agrl. Labor Service Com., Pa. Council Nat. Defense; mem. state com., Woman's Land Army of Amer.; state chm. Land Serv. Com., Women's Nat. Farm and Garden Assoc. Mem. Gov. of Pa.'s tour to Panama Expos., 1915.—*b.* Somerset, Pa.; *d.* John Baker and Elizabeth (Stahl) Snyder; reared on farm and in city; *m.* Frank Bradfield Black, 1893; *c.* Frank Snyder, Wm. Hoblitzoll, Elizabeth Stahl, John. Student Md. Coll., Lutherville, 1895-6.

Black, John Donald, prof. and chief div. agrl. econ., Univ. Minn., University Farm, St. Paul, Minn.

Instr. Western Reserve Univ., 1910-1; instr. and asst. prof., Mich. Coll. of Mines, 1911-5; instr. Univ. Wis., 1917; asst. prof. agrl. econ., Univ. Minn., 1918; assoc. prof., 1919; prof., 1920–.—*b.* Ft. Atkinson, Wis., June 6, 1883; *s.* Robt. and Margaret (Scott) B.; *m.* Nina E. VanSteenberg, June 23, 1917; *c.* Guy. A.B., Univ. Wis., 1909; A.M., 1910; Ph.D., 1918.

Black, William Henry, agt. in an. husb., U. S. Dept. Agr., Univ. Fla., Gainesville, Fla.

Prof. an. husb., Agrl. Coll., Jonesboro, Ark., 1910-2; breeder Angus cattle and Duroc hogs, Ft. Dodge, Ia., 1912-8; present position, 1918–. (Beef cattle).—*b.* Ft. Dodge, Ia., Aug. 30, 1888; *s.* B. F. and Eva (Stevenson) B.; reared on farm; *m.* Hazel Magdelene Willits, Mar. 30, 1911; *c.* Virginia Paulina, Helen Elizabeth. B.S., Ia. State Coll., 1910.

Blackburn, Frederick Jackson, co. agrl. agt., Salem, Ill.

Field man in live-stock invest., Univ. Ill., 1914-5; asst. home econ. ext., 1915; farmer, Hillsboro, Ill., 1916-8; present position, 1918–.—*b.* Hillsboro, Ill., Mar. 28, 1889; *s.* Jas. R. and Mary A. (Hartgroves) B.; reared on farm; *m.* Emma L. Rose, Aug. 29, 1917; *c.* Lela Rose. B.S., Univ. Ill., 1914. Alpha Zeta.

Blackman, Charles Leon, agt. in dairying, U. S. Dept. Agr., and ext. prof. dairy production, Ia. State Coll., Ames, Ia.

Formerly asst. emergency dem. agt., Lincoln, Me.—*b.* Peaks Isl., Me., Nov. 21, 1893; *s.* Chas O. and Hattie C. B.; reared on farm. B.S., Univ. Me., 1916; M.S., Ia. State Coll., 1917. Alpha Zeta.

Blackmore, Beulah, asst. prof. home econ., Cornell Univ., Ithaca, N. Y.

Teach. public sch., Howard City, Mich., 1909-10; Tacoma, Wash., 1910-3; present position, 1915–. (Textiles, clothing design).—*b.* Vassar, Mich., Apr. 6,

1886; *d.* Simon and Anne (Dick) B.; reared in village. Life teach. cert., Mich. State Normal Coll., 1909; B.S., Teachers' Coll., Columbia Univ., 1917. Gamma Phi Beta.

Blackwell, Carl Petty, prof. agron. and agron. Exp. Sta., Clemson Agr. Coll., Clemson College, S. C.

Instr. agron., Univ. Tex., 1914-6; adj. prof., 1916-7; asst. farm crops, Cornell Univ., 1917-8; present position, 1918–. —*b.* Lampassas, Tex., Nov. 5, 1886; *s.* Alexander Jefferson and Eva (Casey) B.; reared on farm; *m.* Lillian Stiernberg, June 8, 1916. B.S., Okla. A. & M. Coll., 1911; M.S., Univ. Wis., 1915. Phi Delta Kappa.

Blackwell, Jefferson Davis, state dir. voc. agr., Austin, Tex.

Asst. prof. agr., State Normal Sch., Warrensburg, Mo., 1914; assoc. prof. agrl. educ., Tex A. & M. Coll., 1914-7; specialist agrl. educ., States Relations Serv., U. S. Dept. Agr., 1917–; present position, 1917–.—*b.* Blackwell, Mo., Sept. 5, 1885; *s.* A. and Dorothy (Coleman) B.; reared on farm; *m.* Salome Love, Aug. 1, 1915; *c.* Edith Lucile. B.S.A., Univ. Mo., 1914. Alpha Zeta.

Blair, Augustine Wilberforce, prof. agrl. chem., Rutgers Coll., assoc. soil chem., N. J. Exp. Sta., New Brunswick, N. J.

Teach. sci., Abington Friends Sch., Jenkintown, Pa., 1892-5; prof. physics and chem., Guilford Coll., 1896-7; chem., Fertilizer Control Div., N. C. Exp. Sta., 1897-9; asst. chem., Fla. Exp. Sta., 1899-1906; chem., 1906-11; present position, 1911–. (Fert., soils).—*b.* Archdale, N. C., Sept. 12, 1866; *s.* Benjamin F. and Rachel E. (Anderson) B.; reared on farm; *m.* Judith Genevieve Mendenhall, July, 1897; *c.* Mary Mendenhall. B.S., Haverford Coll., 1892; A.M., 1896.

Blair, Joseph Cullen, prof. hort. and chief in hort., Univ. Ill., Urbana, Ill.

Instr. chem., agr. and bot., Provincial Coll. Agr., Truro, N. S., 1890-1; instr. hort. and hort. Exp. Sta., 1896-1901; present position, 1901–. Farmer and orchardist.—*b.* Truro, N. S., Apr. 26, 1871; *s.* Wm. M. and Harriet (Blair) B.; *m.* Sada Van Horne, June 16, 1898. Grad. Provincial Coll. Agr., 1892; student Cornell Univ., 1892-6; M.S.A., Ia. State Coll., 1906. Sigma Xi; Alpha Zeta.

Blair, Thomas Arthur, meteorologist, U. S. Weather Bur., Dubuque, Ia.

Teach. math., high-sch., San Diego, Calif., 1904-5; teach math. and sci., Union High-Sch., Santa Ynez, Calif., 1905-6; with U. S. Weather Bur., 1907–; chg. Wagon Wheel Gap Exp. Sta., Colo., 1914-6. Fellow Amer. Meteorological Soc. (Agrl. meteorology).—*b.* Barton Co., Mo , Feb. 28, 1879; *s.* Wm. and Amanda (Campbell) B.; reared on farm; *m.* Lena Gray Saunders, June 27, 1907. A.B., Leland Stanford Jr. Univ., 1904.

Blake, Maurice Adin, prof. hort. and state supt farm dem., Rutgers Coll., and hort., N. J. Exp. Sta., New Brunswick, N. J.

Asst. hort., R. I. Exp. Sta., 1904-5; instr. hort., Mass. Agr. Coll., 1905-6; prof. hort., Rutgers Coll., 1906–; state supt. farm dem., 1918–. Mem. exec. com., N. J. State Hort. Soc., vice-pres., 1918, pres., 1919–. Pres. Soc. for Hort. Sci., 1916. (Peach cult.).—*b.* Millis, Mass., Dec. 1, 1882; *s.* Adin Philip and Phebe Ann (Frye) B.; reared on farm; *m.* Beulah Angie Hoitt, Oct. 23, 1907. B.S., Mass Agr. Coll., 1904.

Blanchard, Clarence John, statistician, U. S. Reclamation Serv., 8th and E. Sts., N. W., Washington, D. C.

Deputy state oil insp. of Ia., 1886-91; special press correspondent, Cent. Amer. 1892-3, 1898; Hawaiian Isls., 1899; chief irrig. sec., 12th Census, 1900; chg. special invest. of irrig., 1902-3; present position, 1904–, in chg. settlement of reclaimed arid public lands, lect. and auth. on western subjects.—*b.* Norham, Canada, Dec. 4, 1863; *s.* John and Sarah Lucy (Young) B.; *m.* Fannie Genevieve Alexander, June 18, 1895. Student Ia. State Coll., 1883.

Blandford, Joseph Henry, farmer, Brandywine, Md.

Supt. roads, Charles Co., Md., 1908-12; member House of Delegates, 1914, 1916, 1917; supt. State Agrl. Lime Bd., 1916–. (Soil and road improvement). —*b.* Md., Jan. 28, 1879; *s.* J. H. and Anna Cecilia (Mudd) B.; reared on farm; *m.* Pauline Mudd, Feb. 26, 1919.

Blasingame, Ralph Upshaw, assoc. prof. farm mech., Penn. State Coll., State College, Pa.

Instr. agrl. engin., Penn. State Coll., 1913-5; prof. agrl. engin., Ala. Poly. Inst., 1916-8; present position, 1918–. —*b.* Ala., 1886; *s.* B. T. and Willie May (Upshaw) B.; reared on farm; *m.* Sue Combs, Aug. 20, 1913; *c.* Robt., Paul. B.S. in C.E., B.S.A., Ala. Poly. Inst., 1910; B.S. in Agrl. Engin., Ia. State Coll., 1913. Phi Kappa Phi; Gamma Sigma Delta; Alpha Gamma Rho.

Blatchley, Vernon Boyd, co. agrl. agt., Ithaca, N. Y.

Teach. voc. agr., Newark Valley, N. Y., 1911-4; agrl. agt., Tompkins Co., 1914–. Managing ed., Tompkins Co. Farm Bur. and Breeders' Journal.—*b.* Blatchley, N. Y., July 17, 1883; *s.* V. C. and Mary E. (Kent) B.; reared on farm; *m.* Helen Francis Purdy, Aug. 7, 1913; *c.* Robt. Purdy. B.S., Keuka Coll., 1911; grad. work at Cornell Univ.

Bliss, George R., co. agrl. agt., Mt. Carroll, Ill.

Chg. hort. ext., Ia. State Coll., 4 yrs.; co. agt., Scott Co., Ia., 7½ yrs. (Hort., plant-breeding).—*b.* Geneseo, Ill., Feb. 3, 1882; *s.* Geo. E. and Florence (Mathews) B.; reared on farm; *m.* Carrie Helen Sperling, June 29, 1910; *c.* Geo. F., Laura, Florence. B.S.A., Ia. State Coll., 1908; M.S., 1912. Alpha Zeta; Delta Sigma Rho; Phi Kappa Phi.

Bliss, Ralph Kenneth, dir. agrl. ext., Ia. State Coll., Ames, Ia.

Chg. an. husb. ext., Ia. State Coll., 1906-11; acting supt. agrl. ext., 1912; prof. an. husb., Univ. Neb., 1912-4; present position, 1914–. Farm manag., 1906. Organized first dairy assoc. in Ia.; chm. State Seed Stocks Comn.; state dir. U. S. Boys' Working Reserve; sec. Ia. War Emergency Food Com.—*b.* Diagonal, Ia., Oct. 30, 1880; *s.* Horace and Mary Ellen (Day) B.; reared on farm; *m.* Ethel Eveleth McKinley, Sept. 14, 1912; *c.* Robt. Wm B.S.A., Ia. State Coll., 1905. Phi Kappa Phi; Delta Sigma Rho.

Blodgett, Forest Milo, asst. prof. plant path., Cornell Univ., Ithaca, N. Y.

Assoc bot., N. Y. Exp. Sta., Geneva, 1914-5; present position, 1915–. (Mosaic and leaf-roll diseases of potatoes).—*b.* Brockton, N. Y., July 15, 1885; *s.* Silas B. and Clara Jane (Pierce) B.; reared on farm; *m.* Elsa Irene James, July 1, 1914; *c.* Edward Jas. B.S.A., Cornell Univ., 1910; Ph.D., 1914. Sigma Xi.

Blodgett, Warren Kendall, dir. agrl. sch., Hampton Inst., Hampton, Va.

Supt. S. Lincoln Dairy Farm, Mass., 1912-4; teach. sch., Essex Co. Agrl. Sch., Hathorne, Mass., 1914-7; asst. ext. prof. rural engin., Cornell Univ., 1917-9; present position, 1920–.—*b.* Cambridge, Mass., Oct. 2, 1888; *s.* Stephen H. and Elizabeth W. (Cummings) B.; reared on farm; *m.* Margaret Loring, June, 1912; *c.* Elizabeth W., Warren K. A.B., Harvard Univ., 1911. Delta Upsilon.

Bluford, John Henry, prof. chem. and dir. dept. agr., The Negro Agr. and Tech. Coll., Greensboro, N. C.

Teach., summer high-sch., St. Louis, Mo., 1901-2; present position, 1902–. Sec. N. C. State Teach. Assoc. *Auth.:* Outlines of Qualitative Analysis, 1908. —*b.* Sassafras, Va., May 16, 1876; *s.* John Wesley and Mary Ellen (Bluford) B. (col.); reared on farm; *m.* Viola C. Harris, June 29, 1910; *c.* John H. Jr., Guion Stewart, Lucile Harris. B.S., Howard Univ., Washington, D. C., 1900; A.M., 1905.

Boardman, John R., lect. and writer, Boy Scouts, 200 Fifth Ave., New York City.

Lect. Cornell Univ. summer sch. in rural leadership, 4 yrs; Chautauqua lect. on rural life subjects, 4 yrs.; organizer community clubs. *Auth.:* Community Leadership, 1914. *Assoc ed.,* Countryside Magazine, 1915. (Rural social organization and leadership).—*b.* Augusta, Me., Sept. 18, 1866; *s.* Samuel Lane and Temperance Ann (Bates) B.; reared at edge of country; *m.* Nettie Clark, Oct. 6, 1891; *c.* Alice Isabelle, Marian Bates. B.S., Univ. Me., 1888; Hartford Theol. Sem., 1895. Beta Theta Pi.

Boardman, W. Clayton, co. agrl agt., Aberdeen, S. D.

Soil survey for Wis., O. and U. S. Bur. Soils, 1914-7; farm help specialist, S. D., 1917-9; present position, 1919–. (Soils, poultry and swine).—*b.* New

Richmond, Wis., Nov. 9, 1891; *s.* Grant C. and Agnes (Brady) B.; reared on farm and in town; *m.* Edna K. Oakey, Sept. 15, 1915; *c.* Wm. C. Jr., Samuel Chas., John Cort. B.S.A., Univ. Wis., 1914.

Bobb, B. Byron, farmer, Haynes, N. D.
Instr. Mekesukey Acad., 1898-9; lect. farmers insts., N. D., 1914-8. Pres. N. D. Better Farming Assoc.; pres. N. D. Grimm Growers Assoc.—*b.* Orangeville, Ill., Oct. 17, 1873; *s.* Reuben P. and Amanda (Reager) B.; reared on farm; *m.* Susan M. Hotze, Nov. 3, 1902; *c.* May Elthea. A.B., Northwestern Univ., 1898. Phi Beta Kappa.

Bocker, Henry Edward, asst. dir. Granville Test Farm, Oxford, N. C.
Farmer and stockman, 30 yrs.. Asst. dir. Black Sand Sta., Wenona, N. C., 1916-9; present position, 1920–. (Farm engin., bldgs., an. husb.).—*b.* N. Y., Jan. 1, 1870; *s.* Edward and Dora (Bracker) B.; reared in city and on farm. D.V.S., Amer. Vet. Coll., 1889; B.S., Cornell Univ., 1903.

Boddinghouse, Sidney Harold, invest. marketing fruits and vegetables, San Francisco Off. Market Surveys and Insp., 510 Battery St., San Francisco, Calif.
Chg. agrl. dept., Union high-sch., Phoenix, Ariz., 1912-3; co. hort., Klickitat Co., Wash., 1914-8; in chg. San Francisco Off. Market News Serv. and Food Products Insp. Serv., U. S. Bur. Markets, 1918–. Pres. W. Klickitat Co. Fair Assoc., 1915-6.—*b.* Chicago, Ill., Oct. 22, 1890; *s.* R. W. and Anna C. B.; reared in city; *m.* Ruth Templeton Dorris, May 27, 1913; *c.* Sarah, Sydney. B.S., Ore. Agr. Coll., 1912. Gamma Sigma Delta; Sigma Alpha Epsilon.

Bodwell, Joseph Henry, co. agrl. agt., Foxcraft, Me.
Farmer, Juneau Co., Wis., 1 yr.—*b.* Hallowell, Me., July 8, 1891; *s.* Willard A. and Carrie A. (Gage) B.; reared on farm; *m.* Irene Pearl Emery, June 24, 1916. B.S., Univ. Me., 1915. Sigma Alpha Epsilon; Alpha Zeta.

Boeger, Ernest Augustus, agrst., Off. Farm Manag., U. S. Dept. Agr., Washington, D. C.
Princ. public schs., St. Jo, Tex., 1886; civil engin., Ft. Worth and Denver R. R., 1887; computer, U. S. Naval Observatory, 1893-1904; asst., 1905-11. (Farm tenancy).—*b.* Decatur Co., Ia., Apr. 14, 1863; *s.* Chas. and Anna (Klumke) B.; reared on farm; *m.* Mary A. Smith, June 20, 1892. A.B., Univ. Mo., 1882; S.B.C.E., 1884; M.A., 1885.

Bohstedt, Gustav, asst. prof. an. husb., Univ. Wis., Madison, Wis.
Farming, Tex., 3 yrs., Ia., 3 yrs. (Swine production).—*b.* Gnissau, Germany, June 22, 1887 (naturalized Sept. 1912); *s.* Henry Asmus and Anna (Rotermund) B.; reared on farm; *m.* Ruth Conway, July 3, 1918; *c.* Carl Conway. B.S., Univ. Wis., 1915; M.S., 1916. Sigma Xi; Alpha Zeta; Theta Chi.

Boissevain, Marett Burridge, co. agrl. agt., Lander, Wyo.
Instr. agr., high-sch., Waterville, Wash., 1915-7; chg. Waterville Substa., 1915-7; present position, 1917–. Traveled in Europe and Alaska. (Agron., dairying).—*b.* Sask., June 14, 1887 (naturalized 1907); *s.* Daniel F. and Alberta May (Carmen) B.; reared on farm; *m.* Murel May Corliss, 1910 (d. 1912); 2d, Elizabeth Langley Robinson, 1917; *c.* Harold Corliss, Marett B. Jr. B.S.A., Wash. State Coll., 1915.

Boles, Ashleigh Pannel, fruit-grower, Bentonville, Ark.
Asst. plant path., Univ. Ark., 1909-10; traveling buyer, Giuocchio-Jones Fruit Co., Kansas City, Mo., 1910-1; sec. Mo. State Bd. Hort., 1912-3; hort. agt. Frisco R. R. Co., 1913-20. Sec.-treas. Northwest Ark. Fruit Co.; sec.-treas. Coop. Evaporation Co.; mem. Ark. State Plant Bd., 1920–.—*b.* Fayetteville, Ark., Sept. 28, 1887; *s.* Clifford and Nettie (Barnett) B.; reared in town and on farm; *m.* Alicia J. Read, June 2, 1915; *c.* Emily Marie, Clifford Read. A.B., Univ. Ark., 1908; M.A., Univ. Mo., 1915. Delta Theta Sigma; Pi Kappa Alpha.

Bolley, Henry L., dean biol., N. D. Agr. Coll., and bot. and plant path. Exp. Sta., Agricultural College, N. D.
Asst. bot., Ind. Exp. Sta., 1889-90; bot. and zool., N. D. Agr. Coll. and Exp. Sta., 1890-1910; bot. and plant path.,

1910–; dean biol., N. D. Agr. Coll., 1910–; state seed comnr., 1909–. Fellow A. A. A. S.; Amer. Soc. Promotion Agrl. Sci. Sec. N. D. Improved Seed Growers Assoc. Traveled in Europe to invest. flax diseases for U. S. Dept. Agr., 1903. (Soils and seeds).—*b.* Manchester, Ind., Feb. 1, 1865; *s.* John and Mary (Broad) B.; reared on farm; *m.* Frances Barnett Sheldon, Sept., 1896; *c.* Don Sheldon, Ann Sheldon. B.S., Purdue Univ., 1888; M.S., 1890. Phi Kappa Phi.

Bollinger, Walter LeRoy, co. agrl. agt., Pottsville, Pa.
b. Spring Grove, Pa., Dec. 7, 1891; *s.* Geo. S. and Annie (Menges) B.; reared on farm; *m.* Sarah Julius, Dec. 22, 1917. B.S., Penn. State Coll., 1917. Alpha Zeta.

Bolte, John Willard, writer, farmer and manufacturer, Indianapolis, Ind.
Instr. an. husb., Utah Agr. Coll., 1905-6; asst. prof. an, husb., R. I. State Coll., 1906-8. Founder, Chicago Agrl. Writers' Club. *Auth.:* The Backyard Farmer, 1914. *Ed.,* American Agricultural Magazine, 1914.—*b.* Chicago, Ill., Sept. 21, 1884; *s.* Chas. Guy and Jessie (Willard) B.; reared in small town; *m.* Jessie Brown, June 21, 1906; *c.* John Henry, Brown, Chas. Guy II. B.S.A., Mich. Agr. Coll., 1905. Alpha Zeta.

Boltz, George Edward, co. agrl. agt., New Philadelphia, O.
Chem., O. Agr. Exp. Sta., 9 yrs.; market-gardener, New Philadelphia, 3 yrs.—*b.* Stone Creek, O., Oct. 30, 1881; *s.* Michael and Elizabeth (Deibel) B.; reared on farm; *m.* Viola May Grant, Nov. 23, 1912; *c.* Janice Valaria. B.S.A., Ohio State Univ., 1910. Alpha Zeta.

Bomberger, Frank Byers, asst. dir. agrl. ext. serv. and specialist in rural organization and marketing, Md. State Coll., College Park, Md.
Prof. English and civics, Md. Agr. Coll., 1900-12; prof. econ. and political sci., 1912-4; dean rural econ., 1914-7; present position, 1917–. Traveled Mexico, summer 1901.—*b.* Williamsport, Md., June 9, 1875; *s.* Emmanuel and Martha (Byers) B.; reared in rural town and country; *m.* Mary Elizabeth Blundon, Oct. 21, 1904; *c.* Lawrence Joseph. B.S., Md. Agr. Coll., 1894; M.S. (hon.), 1902; D.Sc. (hon.), 1919; special work, Cornell Univ., 1900. Gamma Alpha; Gamma Pi; Sigma Nu.

Bonner, Edwin, co. agrl. agt., Carrollton, Miss.
Superv. city backyard gardens, Memphis, Tenn., May-Aug., 1917.—*b.* Enid, Miss., Sept. 17, 1884; *s.* Jas. W. and Ida (Thomas) B.; reared on farm; *m.* Adra Hicks, Aug. 26, 1917. B.S.A., Miss. A. & M. Coll., 1917.

Bonnett, Orville T., co. agrl. agt, Blue Rapids, Kans.
b. Winfield, Kans., June 21, 1894; *s.* Jas. L. and Mary J. (Clabaugh) B.; reared on farm; *m.* Sara B. Brown, May 29, 1918. B.S.A., Kans. State Agr. Coll., 1918. Alpha Zeta; Phi Kappa Phi; Gamma Sigma Delta.

Bonnett, Robert Kline, prof. farm crops, Univ. Ida., Moscow, Ida.
Asst. farm crops, Kans. State Agr. Coll., 1913-5; instr., 1916-7; asst. prof., 1917-8; present position, 1918–.—*b.* LeRoy, Ill., Jan. 21, 1892; *s.* Oscar and Grace (Kline) B.; reared on farm and in town; *m.* Martha Tunstall, Aug 24, 1915; *c.* Robt. R. Jr. B.S., Kans. State Agr. Coll, 1913; M.S.A., Univ. Wis., 1916. Alpha Zeta.

Bonsteel, Frederick Eugene, organizer cooperative associations, N. Y. State Div. Foods and Markets, Ashville, N. Y.
Soil expert, U. S. Dept. Agr., 1900-6; agrl. ed., Doubleday, Page & Co., 1906-7; farmer, Bear Lake, Pa., 1907-14; special lect., Penn. State Coll, 1908-9; inst. lect., Pa. Dept. Agr., 1909-12; inst. lect. and conductor, N. Y. Dept. Agr., 1912-8; present position, 1918–; fruit-grower, Chautauqua Co., 1914-20. —*b.* Huntington, W. Va., Mar. 3, 1876; *s.* H. E. and Jane J. (Jewell) B.; reared on farm; *m.* Carolyn B. Fretts, Oct. 26, 1897; *c.* E. Irene, Paul D., Richard L., Hubert W., Eleanor C. Student Cornell Univ., 2 yrs.

Bonsteel, Jay Allen, sci. Bur. Soils, U. S. Dept. Agr., Washington, D. C.
Asst. Md. Geol. Survey, 1898-9; sci. in soil survey, 1899–; prof. soil invests., Cornell Univ., 1903-5—*b.* Huntington,

W. Va., Apr. 13, 1873; *s.* Herbert Eugene and Jane Josephine (Jewell) B.; *m.* Edith M. Vaughan, Dec. 28, 1896. B.S., Cornell Univ., 1896; Ph.D., Johns Hopkins Univ., 1901.

Boone, Myrtle M., home dem. agt., Court House, Olympia, Wash.
Formerly teach. home econ. and manag. cafeteria, S. Bend and Eatonville, Wash.—*b.* Colfax, Wash., 1885; *d.* Horeb M. and Sarah E. (Holt) B.; reared in town. B.S., Wash. State Coll., 1916. Kappa Alpha Theta; Omicron Nu.

Booth, Charles Junius, dean Chaffey Junior Coll. Agr., and head agrl dept., Chaffey Union High-Sch., Ontario, Calif.
Princ. Monterey Co. High-Sch., 1911-3; present position, 1913–. Instr. summer session, Univ. Calif., 1919.—*b.* Oakdale, Calif., Dec. 18, 1884; *s.* J. B. and Annie (Martin) B.; reared on farm; *m.* Nora H. Bradshaw, 1912; *c.* Francis Eldon. B.S., Univ. Calif., 1908; M.S., 1918. Alpha Kappa Lambda.

Borchert, Arthur Ferdinand, farmer and co. agrl. agt., Rochester, Minn.
b. Steele Co., Minn., June 5, 1868; *s.* Ferdinand and Maria (Schmidt) B.; reared on farm and in city; *m.* Helene Gleeson, July 21, 1910; *c.* John Joseph, Louise. Grad. Minn. Sch. Agr., 1891.

Borland, Andrew Allen, prof. dairy husb., Penn. State Coll., State College, Pa.
Asst. dairy husb. research, Penn. State Coll., 1910-1; prof. dairy husb., Univ. Vt., 1911-5; prof. dairy ext., Penn. State Coll., 1915-9; prof. dairy husb., 1919–.—*b.* Sandy Lake, Pa., June 11, 1878; *s.* Adam C. and Sarah (Carmichael) B.; reared on farm; *m.* Jessie E. Canon, Oct. 12, 1910; *c.* Gerald Canon, Margaret Eleanor. B.S., Penn. State Coll., 1909; M.S., Univ. Wis., 1910. Alpha Zeta; Phi Kappa Phi.

Boss, Andrew, vice-dir. Exp. Sta. and prof. agron. and farm manag., Univ. Minn., University Farm, St. Paul, Minn.
Pres. Amer. Farm Manag. Assoc., 1915; sec. Minn. Live-Stock Breeders Assoc., 1902-12; pres. Minn. Farm Manag. Assoc., 1918. *Auth.:* Farm Management for Secondary Schools, 1913. (Farm manag. and econ.).—*b.* Wabasha Co., Minn., June 3, 1867; *s.* Andrew and Janet (Nesbit) B.; reared on farm; *m.* Evalena La Mont, Dec. 15, 1891; *c.* Hazel Vivian, Elna Violet, Mabel Evelyn, Kenneth Andrew, Wallace LaMont. Sigma Xi; Alpha Zeta; Gamma Sigma Delta.

Boston, Lawrence Baker, co. agrl. agt., Hyannis, Mass.
Instr. agr., Madawaska Training Sch., Fort Kent, Me., 3½ yrs.; instr. agr., Petersham, Mass., agrl. high-sch., ½ yr.; instr. agr., Sandwich, Mass., high-sch., 2 yrs. Supt. Faunce Dem. Farm, Sandwich, 1913-6. Compiler, Laboratory Exercises in Secondary School Agriculture, 1912. —*b.* Biddford, Me., Nov. 1, 1887; *s.* Geo. Francis and Addie (Baker) B.; reared in city; *m.* Sadie M. Buzzell, July 25, 1908; *c.* Margaret Mary, Hildred Elizabeth. Studied Univ. Me., 2 yrs., Bates Coll., 1 term.

Boswell, Stephen Roy, co. agrl. agt., Coalville, Utah.
b. Nephi, Utah, Oct. 6, 1890; *s.* Stephen and Ann P. (Garrett) B.; reared on farm; *m.* Armina Huff, June 21, 1916; *c.* Gladys Irene, Calvin Roy. B.S., Utah Agr. Coll., 1916. Traveled in S. Africa, Madeira, England.

Bosworth, Alfred Willson, dir. research laboratories, Boston Floating Hospital, 40 Wigglesworth St., Boston, Mass.
Assoc. chem., N. Y. Exp. Sta., Geneva, 1905-16; instr. biol. chem., Harvard Med. Sch., 1912-3. (Chem. of milk, infant feeding).—*b.* Warren, R. I., Feb. 1, 1879; *s.* Daniel and Rebecca Mayhew (Willson) B.; reared in city; *m.* Edith May Flemming, Oct. 10, 1905; *c.* Alfred Willson Jr., Everett Whipple. B.S., R. I. State Coll., 1899; A.M., Harvard Univ., 1913.

Bouck, William M., farmer, Sedro-Woolley, Wash.
Master Wash. State Grange, 1917–. —*b.* Independence, Ia., Sept. 5, 1868; *s.* John S. and Elizabeth D. (Elliott) B.; reared on farm; *m.* Lura A. Snow, Aug. 27, 1891; *c.* Beulah R., Ada E., Norton K., Edna L., Morley W.

Bouquet, Arthur George Bristow, prof. veg. gard., Ore. Agr. Coll., Corvallis, Ore.

Instr. hort., Ore. Agr. Coll., 1909-11; asst. veg. gard., 1911-2; asst. prof., 1912-5; assoc. prof., 1915-6; prof., 1916-; olericulturist Exp. Sta., 1912-. Vice-pres. for Ore., Veg. Growers Assoc. of Amer. Traveled in England and France. *Ed.* gard. dept., Pacific Homestead.—*b.* Sutton, England, Mar. 9, 1885 (naturalized 1912); *s.* Alexander and Laura (Starkey) B.; reared in country; *m.* Grace Mary Wilson, June 26, 1912. B.S., Ore. Agr. Coll., 1906; grad. student, Mass. Agr. Coll., 1908-9.

Bourne, Richard Franklin, prof. vet. physiol., Colo. Agr. Coll., Fort Collins, Colo.

Prof. histology and physiology, Kans. City Vet. Coll., 1906-18; present position, 1918-. Vet. insp., U. S. Dept. Agr., June-Sept., 1908. Sec. treas. Mo. Valley Vet. Assoc., 1915-.—*b.* Delphos, Kans., Feb. 7, 1881; *s.* Daniel M. and Amelia (Spencer) B.; reared on farm; *m.* Edna Mason, Sept. 6, 1905; *c.* Richard Mason, Marjorie Helen. B.S., Kans. State Agr. Coll., 1903; D.V.S., Kans. City Vet. Coll., 1906. Alpha Psi; Phi Kappa Phi.

Boutelle, C. A., asst. prof. an. husb. ext., Cornell Univ., Ithaca, N. Y.

Manag. farms, N. Y., Mass., Ala., 14 yrs.; instr. military, Elm Hill Sch., Barre, Mass.—*b.* Leominster, Mass., Aug. 1, 1881; *s.* Henry A. and Martha (Powers) B.; reared on farm; *m.* Ethel I. Barr, Nov. 12, 1902; *c.* Ernestine I. B.S., Mass. Agr. Coll. Phi Sigma Kappa.

Bouyoucos, George John, research soil physicist, Mich. Agr. Coll., E. Lansing, Mich.

Mem. Amer. Red Cross Agrl. Comn. to Greece, 1918-9.—*b.* Tripolis, Greece, May 23, 1889; *s.* John Dimeter and Paraskevi B.; reared on farm and in city. B.S., Univ. Ill., 1908; Ph.D., Cornell Univ., 1911; student, Univ. Goettingen, Univ. Paris, Univ. London, 1913-4. Sigma Xi.

Boving, Paul Axel, prof. agron., Univ. B. C., Vancouver, B. C.

Teach. Ronneby Peoples' High-Sch., Sweden, 1900; in chg. root crop invest., Macdonald Coll., Que., 1910-6; present position, 1916-. Practical farmer, Sweden, Denmark, Germany, 1889-96. *Ed.*, Journal of Agriculture for Western Sweden, 1904-9.—*b.* Sweden, Sept. 16, 1871 (naturalized 1913); *s.* Paul and Lida (Wengel) B.; reared on farm; *m.* Lynette Hope Wren; *c* Ellen Marie. B.A., Malmo, Sweden; B.S.A., Alnarp, Sweden.

Bowen, John Thomas, tech. Bur. An. Ind., U. S. Dept. Agr., Washington, D. C.

Draftsman, Wm. Cramp & Sons Ship Yards, 5 yrs.; expert electrical aid to Chief Naval Constructor, Navy Yard, N. Y., 3 yrs.; Newport News, 3 yrs.; Bur. Construction and Repair, Navy Dept., Washington, 1 yr.; present position, 1911-. (Electrical, mech. and refrigerating engin. as applied to agr., particularly dairying).—*b.* Easley, S. C., Aug. 29, 1873; *s.* Thos. Jefferson and Emma Caroline (Briggs) B.; reared on farm; *m.* Georgetta Steedly, Sept. 6, 1911; *c.* Martha Caroline, John T. Jr. B.S., Clemson Agr. Coll., 1896.

Bowen, Richard Martin, pres. Amer. Caramel Co., Buttonwoods, R. I.

Bookkeeper, Profile House, White Mts., 1874-9; chief clerk and paymaster, railroad, 1879-83; head clerk, Otis Clapp & Son, Providence, 1883-1901; sec. and treas., C. W. & R. M. Bowen Co., 1901-. Sec.-treas. R. I. Hort. Soc.; sec.-treas. R. I. Fruit Growers Assoc.; chm. exec. com., R. I. State Grange; pres. New England Agrl. Soc.; vice-pres New England Fruit Show. (Apples). —*b.* Providence, R. I., Dec. 10, 1852; *s.* Chas. W. and Louisa S. (Martin) B.; reared in city.

Bower, Russell Forrest, farmer, Campbell, Va.

Dir. Va. Div. and legislative agt., Farmers Educ. and Coop. Union of Amer., and mem. Nat. Bd. Farm Organizations. (Soil fert. and fertilizer production).—*b.* Berwick, Pa., Nov. 15, 1885; *s.* Lahmann Forrest and Gertrude E. (Hennigar) B.; reared in town; *m.* Margaret L. Kirkpatrick, Apr. 15, 1909; *c* Russell Kirkpatrick, Margaret Hennigar. B.A., Wesleyan Univ., 1907. Alpha Delta Phi.

Bowers, Blanche Brower, home dem. agt., Columbus, O.

Instr. home econ. ext. in O., 1916-8; home dem. agt., Franklin Co., O., 1918-.

—*b.* Lima, O., June 28, 1881; *d.* L. S. and Martha (Pfeifer) Brower; reared on farm; *m.* Jacob Bowers, Nov. 24, 1904. B.L., Lima Coll., O., 1900; B.Sc. in H.E., Ohio State Univ., 1915. Phi Upsilon Omicron.

Bowers, John Hugh, dean Sch. Educ., Okla. A. & M. Coll., Stillwater, Okla.
Formerly teach. rural schs., W. Va. State Normal; city supt. schs., Covington, Tenn., 1906-8; present position, 1909–.—*b.* W. Va., 1875; *s.* Josephus and Emily (Bond) B.; reared on farm; *m.* Pearl E. Copeland, 1902; *c.* Copeland, John Alden, Garvey Bruce. A.B., LL.B., W. Va. Univ., 1903; A.M., Ph.D., Ill. Wesleyan, 1907.

Bowers, William Edgar, co. agrl. agt., Rome, Ga.
Asst. to dir., S. C. Exp. Sta., 1914-5; asst. prof. agron., Va. Poly. Inst., 1916-7; agrl. ed., Clemson Agr. Coll., 1917; co. agrl. agt., Douglas, Ga., 1919; present position, 1920–. From private to Lieut., U. S. Army, 1917-8. (Agrl. journalism, farm crops).—*b.* Kershaw, S. C., Nov. 28, 1892; *s.* J. I. and Polly Jane (Cooke) B.; reared on farm and in town. B.S., Clemson Agr. Coll., 1913; M.S., Ia. State Coll., 1916. Gamma Sigma Delta.

Bowles, Carey Edwin, state superv. agr., State House, Phoenix, Ariz.
b. Selma, Calif., Oct. 15, 1892; *s.* T. R. and Adeline (Wood) B.; reared on farm; *m.* Leona A. Brown, Dec. 24, 1919. B.A., Univ. Tex., 1918; B.S., Tex. A. & M. Coll., 1919. Acacia.

Bowman, Albert Elijah, dir. ext. work, Univ. Wyo., Laramie, Wyo.
Asst. agron., Utah Agr. Coll., 1911-3; asst. state leader co. agts., Univ. Wyo., 1913-4; dir. ext., 1914–. Dir. institutes in Wyo. *Ed.*, Wyo. Farm Bulletin.—*b.* W. Weber, Utah, Jan. 23, 1881; *s.* Andrew G. and Hannah (Clayton) B.; reared on farm; *m.* Mary E. Brown, Dec. 15, 1910; *c.* Ramona. B.S.A., Utah Agr. Coll., 1911. Pi Zeta Pi; Gamma Sigma Delta.

Bowman, Garlen L., princ. Dunn Co. Training Sch. for Teachers, Menomonie, Wis.
Teach. country schs., 6 yrs.; princ. Wis. high-sch., 16 yrs.; prof. reading and math., State Normal Sch., Superior, Wis., 1896-1902; princ. Waupacca Co. Training Sch., New London, 1902-4; present position, 1904–. Sec. Wis. Teach. Assoc., 1896. *Auth.:* Ethical Classification of Students, 1917.—*b.* Eaton, O., Mar. 24, 1855; *s.* Eli and Julia Ann (Stanton) B.; reared on farm; *m.* Alice Mero, Aug. 15, 1884; *c.* Clyde A.

Bowman, Jacob Kreider, superv. agrl. educ., 22 Union Trust Bldg., Harrisburg, Pa.
Princ. high-sch., Schaefferstown, Pa., 1906; prof. modern languages, Indiana Normal Sch., Indiana, Pa., 1911-4; dir. voc. sch., Avondale, 1916-8; present position, 1918–.—*b.* Campbelltown, Pa., Apr. 12, 1887; *s.* Joseph and Susan (Kreider) B.; reared on farm; *m.* Elizabeth Stephenson, Sept. 7, 1915; *c.* Joseph Edward. A.B., Buchnell Univ., 1911; B.Sc., Univ. Wis., 1916; M.Sc., Bucknell Univ., 1916. Delta Theta Upsilon.

Boyd, Harwell L., co. agrl. agt., Clinton, N. C.
General manag. plantation, Estill, Miss., 1915-6; present position, 1916–. —*b.* Holmesville, Miss., Sept. 25, 1887; *s.* Jno. W. and A. L. (Beard) B.; reared on farm; *m.* Hattie Elizabeth May, Dec. 21, 1916. B.S., Miss. A. & M. Coll., 1915.

Boyden, Boyd L., sci. asst., Bur. Ent., U. S. Dept. Agr., Daytona, Fla.
b. Cumberland, Wis., Dec. 22, 1885; *s.* Jas. W. and Frances (Lester) B.; reared in town; *m.* Alice Gail Russell, Oct. 8, 1914; *c.* Frances Margaret, Mary Elizabeth. B.A., Pomona Coll., 1912.

Boyle, James Ernest, ext. prof. rural econ., Cornell Univ., Ithaca, N. Y.
Prof. econ. and political sci., Univ. N. D., 1904-16; field agt. marketing, N. D. Exp. Sta., 1916-7; asst. food supply invest., Bur. Markets, U. S. Dept. Agr., 1917-8; present position, 1918–. Sec. N. D. Potato Growers Assoc. *Auth.:* Financial History of Kansas, 1904; Government of North Dakota, 1910; Beginners' Civics for North Dakota, 1912. Contributing ed. to Cooperation, 1910-3; Speculation and the

Chicago Board of Trade, 1920. *Ed*, A Westland Educator, 3 yrs.—*b*. Boyle, Kans., Nov. 22, 1873; *s*. John and Mary Ann (Searl) B.; reared on farm; *m*. Effie Lytle. Sept. 13, 1902; *c*. Elizabeth, Louise. A.B., Univ. Neb., 1900; A.M., Univ. Kans., 1901; Ph.D., Univ. Wis., 1904.

Bracken, John, prof. field husb., Univ. Sask., Saskatoon, Sask.
Western rep., Dominion Seed Branch, 1906-7; supt. fairs and farmers insts., Sask., 1907-9; present position, 1909–. —*b*. Seeley's Bay, Ont., June 22, 1883; *s*. E. M. and Alberta (Gilbert) B.; reared on farm; *m*. Alice Wylie Bruce, June 22, 1909; *c*. Bruce, Douglas, Gordon, Murray. B.S.A., Ont. Agr. Coll., 1906.

Bracker, Emil Mark Diedrich, co. agrl. agt., Galesburg, Ill.
Supt. garden and forest, Berea Coll., Ky., 1908-9; instr. farm mech., Purdue Univ., 1911-2; instr. farm mech., Ore. Agr. Coll., 1912-5; general farming, 1915-8; agt. Knox Co., Ill., 1918–. (Soils and crops).—*b*. Hillsdale, Ill., Dec. 30, 1882; *s*. D. H. and Elizabeth B.; reared on farm; *m*. Ada May Dinkleman, Aug. 28, 1912; *c*. Charlotte Elizabeth. B.S., Univ. Ill., 1908. Alpha Zeta.

Brackett, Elmer Eugene, prof. agrl. engin., Univ. Neb., Lincoln, Neb.
Instr. elec. engin., Univ. Penn., 1907-10; present position, 1910–. 1st Lieut. A. S., Sig. R. C., 1918-9; in A. E. F., 6 mos. (Autos, tractors. farm electric systems).—*b*. Jamesburg, N. J., Nov. 22, 1876; *s*. Benj. F. and Anne E. (Lary) B.; reared on farm; *m*. Minnie B. Guile, Sept. 17, 1903; *c*. Mary, Annie, E. E. Jr., Jane J. B.Sc. in E.E., Univ. Neb., 1901.

Bradford, Frederick Charles, asst. prof. hort., Univ. Mo., Columbia, Mo.
Research asst. hort., Ore. Agr. Coll., 1911-4; princ. and teach. agr., high-sch., Amherst, N. H., 1914-7; farm help specialist, Off. Farm Manag., U. S. Dept. Agr., 1917-9; present position, 1919–. (Pom.).—*b*. Lowell, Mass., Feb. 4, 1887; *s*. Frederick Jas. and Laura Etta (Curtis) B.; reared in city and on farm; *m*. Pearl Elizabeth Whitehouse, Sept. 8, 1910; *c*. Barbara, Wm. Robt. S.B., Harvard Univ., 1908; M.S., Univ. Me., 1911. Alpha Zeta; Gamma Alpha.

Bradford, Harry E., prof. agrl. educ. and princ. Univ. Sch. Agr., Univ. Neb., Lincoln, Neb.
Princ. Geneva, Neb., high-sch., 1899-1902; supt. Chadron city schs., 1904-5; supt. Aurora city schs., 1905-9; supt. Kearney city schs., 1909-12; present position, 1912–.—*b*. Sheboygan, Wis., Feb. 12, 1878; *s*. DeWitt A. and Almeda V. (Crocker) B.; reared on farm and in town; *m*. Ethel King, Dec. 27, 1904; *c*. Eloise Marguerite. A.B., Univ. Neb., 1904; A.M., 1917. Phi Delta Kappa; Gamma Sigma Delta.

Bradfute, Oscar Edwin, farmer and stock breeder, Xenia, O.
Farmer and breeder registered Aberdeen-Angus cattle, 1887–. Dir. Amer. Aberdeen-Angus Assoc., 1892-1904, pres., 1898-9; pres. O. Aberdeen-Angus Assoc.; pres. O. Farm Bur. Assoc.; mem. exec. com., Amer. Farm Bur. Fed. Trustee, O. Agr. Exp. Sta., 1900–5, pres. Bd., 1905; trustee Ohio State Univ., 1905–.; pres. Bd., 1911-2; trustee Cedarville Coll.—*b*. Cedarville, O., Jan. 21, 1862; *s*. David and Mattie E. (Collins) B.; reared on farm; *m*. Jennie M. Collins; *c*. David C., Helen, John Edwin. B.A., Ind. Univ., 1884. Phi Delta Theta.

Bradlee, Thomas, dir. agrl. ext. serv., Univ. Vt., Burlington, Vt.
Instr. agr. and farm supt., Smith's Agr. Sch., Northampton, Mass., 1911-3; present position, 1913–.—*b*. Lewiston, N. Y., Oct. 9, 1885; *s*. Chas. Nathaniel and Ella Jane (Nichols) B.; reared on farm; *m*. Jennie Lena Rowell, Oct. 9, 1918. B.S.A., Cornell Univ., 1911. Alpha Zeta.

Bradley, James Chester, asst. prof. systematic ent., Cornell Univ., Ithaca, N. Y.
Asst. ent., Cornell Univ., 1905-6; asst. ent., Univ. Calif., 1906-7; asst. ent., Cornell Univ., 1907-9; fellow ent., 1909-10; asst. prof., 1911–; exchange prof., Univ. Calif., 1917-8. Collecting exped. in Canadian Rocky and Selkirk Mts., Pacific Coast, Okefenoke Swamp, S. Amer. (Taxonomy of Hymenoptera). —*b*. W. Chester, Pa., Feb. 11, 1884; *s*

Daniel Hiester and Lucy Virginia (Blanchard) B.; reared on farm. A.B., Cornell Univ., 1906; M.S., Univ. Calif., 1907; Ph.D., Cornell Univ., 1910. Sigma Xi; Gamma Alpha; Pi Kappa Alpha.

Bradt, Emerson Peart, deputy minister, Dept. Agr , Fredericton, N. B.

Asst. agrl. rep., Lamark Co , Ont., 1910-1; agrl. rep., Dundas Co., Ont., 1912-9; present position, 1919–. Sec. Dundas Co. Bd. Agr.; sec. and manag. St. Lawrence Valley Fruit-Growers Assoc. (Live-stock).—*b.* Cayuga, Ont., Jan. 17, 1885; *s.* Levi and Mary Ann (Peart) B.; reared on farm; *m.* Margaret Bell Cox, Dec. 25, 1912; *c.* Oliver Augustine, Marjorie Lorraine. B.S.A., Ont. Agr. Coll., 1912.

Branch, George Verne, dir. Municipal Bur. Markets, Dept. Public Welfare, Detroit, Mich.

Formerly specialist in city marketing, Bur. Markets, U. S. Dept. Agr. (Distributing perishable foodstuffs).—*b.* Boyne Falls, Mich., Aug. 28, 1887; *s.* Geo. Harrison and Elma A. (Jones) B.; reared in small city; *m.* Leonora M. Buck, Dec. 24, 1913; *c.* Geo. Harrison, Margaret Elizabeth. B.S., Mich. Agr. Coll., 1912.

Brand, Charles John, agrst., econ., 281 Union Arcade, Pittsburgh, Pa.

Asst. curator bot., Field Museum Nat. Hist., Chicago, 1902-3; with U. S. Dept. Agr., 1903-19; chief Bur. Markets, 1913 9; vice-pres. and gen. manag. Amer. Fruit Growers Inc., 1919–. Mem. com. on Southwestern Cotton Culture, 1912-8; mem. Nat. War Emergency Agrl. Conference, St. Louis, 1917; mem. joint price-fixing com. and cotton compression com., Council Nat. Defense, 1917-8; chm. com. on cotton distribution and mem. wool sect., War Industries Bd. Del. Pan-Amer. Financial Conference, Washington, 1915, 1920; del. Pan-Amer. Sci. Congress, 1915-6 and chm. marketing and distribution subsect. (Marketing and distribution of agrl. products).—*b.* Lac-qui-Parle Co., Minn., Oct. 24, 1879; *s.* Chas. and Mary (Buri) B.; *m.* Mary E. Vining, Dec. 24, 1903. B.A., Univ. Minn., 1902. Sigma Xi.

Brandon, Benjamin Franklin, supt. U. S. Dept. Agr. Exp. Sta., Beltsville, Md.

b. Kokomo, Ind., Sept. 26, 1893; *s.* B. F. and Sarah J. (Davis) B.; reared on farm. B.S.A., Purdue Univ., 1915. Alpha Zeta; Sigma Delta Chi.

Brandt, Henry Phillip, co. agrl. agt., Ada, Minn.

Statistical agt , U. S. Dept. Agr., 1 yr.; proprietor and manag., The Meadows Creamery, Gonvick, Minn., 6 yrs. —*b.* Meeker Co., Minn., Sept. 9, 1884; *s.* Peter and Amelia (Brandt) B.; reared on farm; *m.* Ragna M. Olson, Nov. 24, 1914; *c.* Phyllis Elaine. Student Univ. Minn., 1 yr.

Brandt, Philip Martin, prof. dairy husb., Ore. Agr. Coll., Corvallis, Ore.

Asst. dairy husb., Univ. Mo., 1911-2; instr., 1912-4; asst. prof., 1914; supt. short courses and asst. to dean, 1914-7; present position, 1917–. Sec. Mo. State Dairy Assoc., 1911-5; sec. Ore. Dairymen's Assoc., 1918–; pres. Ore. Dairy Council, 1919–.—*b.* Nevada, Mo., Aug. 6, 1888; *s.* Geo. Adam and Anna (Upp) B.; reared on farm; *m.* Mattie May Torr, Mar. 1, 1911; *c.* Harriett Anne, Philip M. Jr. B.S. in Agr., Univ. Mo., 1910; A.M., 1913. Gamma Sigma Delta.

Branson, Eugene C., Kenan prof. of rural econ. and sociol., Univ. N. C., Chapel Hill, N. C.

Teach. country sch., N. C., 1881-2; princ. high-sch., Raleigh, N. C., 1883-4; supt. sch., Wilson, N. C. and Athens, Ga., 1886-97; prof. pedagogy, Ga. State Normal and Ind. Coll., 1897-1900; pres. Ga. State Normal Sch., Athens, 1900-12; present position, 1913–. Mem. Moseley Comn. Amer. Teachers studying English schs. Three trips to Europe. Dir. Food Adminis., Orange Co., N. C. Mem. N. C. State Reconstruction Comn. Mem. exec. com. Amer. Country Life Assoc., and committeeman, Amer. Assoc. Agrl. Legislation. *Auth.:* Methods of Teaching Arithmetic, 1896; Methods of Teaching Reading and Spelling, 1896; Revised Page's Theory and Practice of Teaching, 1899. *Ed.*, Farm and Homestead, Athens, Ga.; Ga. Edition Arnold's Waymarks for Teachers, 1900; Ga. Edition Shaw's School Hygiene, 1901; Branson's Common-School Spellers, 1900; Johnson's

Readers; Farm-Life Studies in the South; N. C. Club Year-Books; Univ. N. C. News Letter, 1914–.—*b.* Morehead City, N. C., Aug. 6, 1861; *s.* Levi and Edith (Cunningham) B.; reared in town and country; *m.* Lottie Lanier, Sept. 27, 1889; *c.* Frank Lanier, Edith, Philip, Elizabeth. A.M., Trinity Coll., N. C.; A.M., Peabody Coll., Nashville, Tenn., 1906; Litt.D., Univ. Ga., 1919. Alpha Tau Omega.

Brant, William O., co. agrl. agt., Vinton, Ia.

b. Meriden, Ia., Mar. 18, 1886; *s.* John and Hedvig (Johnson) B.; reared on farm; *m.* Mamie Heline, Mar. 31, 1918. B.S.A., Ia. State Coll., 1912.

Branyon, Edgar Watterson, assoc. prof. agrl. educ., Miss. A. & M. Coll., Agricultural College, Miss.

Teach. rural schs., Ala., 2 yrs.; Walker Co. High-Sch., Jasper, Ala., 1913-5; Central High-Sch., Jackson, Miss., 1916-8; Cent. High-Sch., Memphis, Tenn., 1919; present position, 1919–. Served as private, Chem. Warfare Serv., 1 yr.—*b.* Kennedy, Ala., Sept. 28, 1890; *s.* John L. and Alpha (Smith) B.; reared on farm; *m.* Nell Walker, Oct. 19, 1919. B.S., Peabody Coll., 1916; M.A., 1919.

Braunton, Ernest, lands. designer, 6410 Elgin St., Los Angeles, Calif.

Prof. lands. gard., Univ. S. Calif., 1914–. Mem. Los Angeles Co. Bd. For., 1911-2; mem. Park Comn., Los Angeles, 1916-8. *Auth.:* The Garden Beautiful in California, 1915. *Ed.* gard. dept., Los Angeles Times, 1903–. Editorial contributor, California Cultivator, 1901–. —*b.* London, England, Aug. 21, 1867 (naturalized as minor); *s.* Wm. and Emma (Haslett) B.: reared in town and on farm; *m.* Addie M. Kirkpatrick, May 17, 1899; *c.* Bertram, Helen, Marian, Stanley, Ernestine.

Bray, Charles Iseard, assoc. prof. an. husb., Colo. Agr. Coll., Fort Collins, Colo.

Manag. dairy herd, Miss. A. & M. Coll., 1904-10; asst. prof. an. husb., Okla. A. & M. Coll., 1910-3; assoc. prof., 1913-4; present position, 1915–. Live-stock ed., Okla. Farmer and Stockman, 1912-4. (Sheep, wool, meats).—*b.* Huntsville, Ont., July 29, 1882 (naturalized 1917); *s.* Edward and Charlotte Elder (Brackenridge) B.; reared on farm; *m.* Edith Agnes Russell, Aug. 8, 1912 B.S.A., Ont. Agr. Coll, 1904; M.S., Miss. A. & M. Coll., 1907. Alpha Zeta.

Bray, Stephen, in chg. marketing livestock and meats and stock yards superv., Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Teach. public schs., 1900-4.—*b.* Knox Co., Ky., Feb. 7, 1878; *s.* Wm. F. and Emily J. (Baker) B.; reared on farm. LL.B., Kans. City Sch. Law, 1908.

Breed, Robert S., bact., N. Y. Agr. Exp. Sta., Geneva, N. Y.

Instr. biol., Univ. Colo., 1898-9; asst. zool., Harvard Univ., 1900-2; prof. biol., Allegheny Coll., 1902-13; present position, 1913–. Fellow A. A. A. S. Del. VIII. Intern. Zool. Congress, Austria, 1910; del. VI. Intern. Dairy Congress, Switzerland, 1914. Operated dairy farm, 1899-1910. (Milk sanitation, grading machines).—*b.* Brooklyn, Pa., Oct. 17, 1877; *s.* Robt. Fitch and Emma (Beers) B.; reared on farm; *m.* Louise Miller Heim, Aug. 23, 1899 (d. 1905); 2d, Emma Margaret Edson, July 2, 1913; *c.* Alice F. B.S., Amherst Coll., 1898; M.S., Univ. Colo., 1899; Ph.D., Harvard Univ., 1902; studied at Landwirtschaftliches Inst., Univ. Goettingen, winter, 1910; Univ. Kiel and Kiel Versuchsstation fur Molkeriwesen, summer, 1911. Phi Beta Kappa; Sigma Xi; Phi Gamma Delta.

Breeden, Edward Valentine, co. agrl. agt., Gordonsville, Va.

Fruit and general farming, 9 yrs. Dir. Gordonsville Farmers Club. (Apples). —*b.* Richmond, Va., June 19, 1884; *s.* Powhatan and Maria May B.; reared in city; *m.* Sadie L. Brackett; *c.* E. V. Jr.

Brehm, Cloide Everett, marketing specialist, Bur. Markets, U. S. Dept. Agr. and Univ. Tenn., Knoxville, Tenn.

Instr. veg. gard., Purdue Univ., 1911-2; agrl. ed., Intern. Correspondence Sch., 1913-4; present position, 1917–. Truck farming, Philadelphia, Pa., 1914-5; nursery work with Henry Dreer Co., 1916-7.—*b.* Newville, Pa., Mar. 23, 1889; *s.* John J. and Belle (Heffelfinger) B.; reared on farm and in city; *m.*

Ruth Dapp, Dec. 25, 1912; *c.* J. Fred. B.S., Penn. State Coll., 1911. Alpha Zeta; Phi Kappa Phi.

Brekke, Julia Ella, home dem. agt., DeWitt, Ia.
Teach. public schs., Minn., 3 yrs.; instr. foods, Okla. Coll., for Women, Chickasha, 1916-7; home dem. agt., Clinton Co., Ia., 1917–.—*b.* Faribault Co., Minn., Feb. 1, 1887; *d.* R. M. and Thorine (Jacobson) B.; reared on farm. B.S., Ia. State Coll., 1916.

Brengle, Henry Irwin, co. agrl. agt., Port Lavaca, Tex.
Farmer, Tex., 5 yrs. Traveled in Cuba, 1903-4; northern Mexico, 1912. —*b.* Tampa, Fla., June 25, 1891; *s.* Samuel F. and Mary A. (Keigwin) B.; reared in city and on farm; *m.* Mary Pauline Ott, Dec. 24, 1914; *c.* Mary Pauline. B.S.A., Ala. Poly. Inst., 1912.

Brenneman, John Arden, co. agrl. agt., Clarion, Pa.
Sch. teach., Lehighton, Pa., 1910-2; agt. Clarion Co., 1916–.—*b.* Mechanicsburg, Pa., Aug. 14, 1890; *s.* W. P. and Mary A. (Kimmel) B.; reared on farm. B.S., Penn. State Coll., 1916. Phi Kappa Phi.

Bressler, Raymond George, prof. rural sociol. and dir. short-courses, Penn. State Coll., State College, Pa.
Asst. prof. English and public speaking, Tex. A. & M. Coll., 1910-5; asst. div. public discussion, Univ. Tex., 1915-6; assoc. prof. rural sociol. and head rural educ., Dept. of Ext., 1916-7; asst. dir. voc. agr. for Tex., 1917-8; present position, 1918–. *Auth.:* Questions on Readings in English Literature, 1914.—*b.* Halifax, Pa., Mar. 9, 1887; *s.* Ryan Andrew and Mary Ellen (Etzweiler) B.; reared on farm; *m.* Sadie Lebo, Feb. 4, 1910; *c.* Raymond G. Jr., Angelin. A.B., Valparaiso Univ., 1908; M.A., Wofford Coll., 1910; M.S., Univ. Wis., 1917; B.S. in Agrl. Educ., Tex. A. & M. Coll., 1919. Alpha Epsilon.

Brew, James Duncan, asst. ext. prof. dairy bact., Cornell Univ., Ithaca, N. Y.
Asst. bact., N. Y. Exp. Sta., Geneva, 1912-7; assoc. dairy bact., Univ. Ill., 1917-9; dairy agt., Nestles Food Co., 1919; present position, 1919–.—*b.* Bergen, N. Y., Oct. 22, 1881; *s.* Duncan and Katerine (Sutherland) B.; reared on farm; *m.* Lucy W. Bergan, Sept. 29, 1914; *c.* Jas. D. Jr., Helen Louise. B.S., Cornell Univ., 1912. Sigma Xi.

Brewster, Charles Stockton, asst. prof. poultry husb., Ore. Agr. Coll., Corvallis, Ore.
Research asst. poultry husb., Ore. Agr. Coll., 1914-5; instr., Cornell Univ., 1915-6; instr., Purdue Univ., 1916-7; present position, 1917–.—*b.* Minneapolis, Minn., July 22, 1886; *s.* Chas. E. and Fannie May (Edwards) B.; reared in city; *m.* Rachel Webb Haight, Aug. 7, 1917. B.S.A., Ore. Agr. Coll., 1913. Gamma Alpha; Gamma Sigma Delta.

Bricker, Garland Armor, pres. State Sch. Sci., Wahpeton, N. D.
Teach. rural schs., 2 yrs.; grammar sch., 2 yrs.; princ. high-sch., McArthur, O., 1905-6; supt. schs., New Holland, O., 1906-9; asst. agrl. educ., Ohio State Univ., 1910-1; prof., 1911-6; prof. agrl. teaching and dir. rural ext. serv., Coll. Agr., Syracuse Univ., 1916-9; present position, 1919–. Lect. teachers' insts., summer schs. *Auth.:* The Teaching of Agriculture in the High-School, 1911; Solving the Country Church Problem, 1913; Agricultural Education for Teachers, 1914; The Church in Rural America, 1919; Illustrated Lessons in Agriculture, 1919. *Ed.,* The Rural Educator, 1913-6.—*b.* Etna, Licking Co., O., Mar. 20, 1881; *s.* David A. and Christianna A. (Rudolph) B.; reared in country village; *m.* Mabel McClelland. B.Ped., Lima Coll., 1907; B.S. (Agr.), Ohio State Univ.; M.A., Univ. Ill., 1910. Phi Kappa Phi; Acacia.

Bridges, Henry Styles, instr. agr., Sanderson Acad., Ashfield, Mass.
Farmer foreman, Mass., 1 yr.; herdsman, Me., 1 yr.; present position, 1918–. (An. husb.).—*b.* W. Pembroke, Me., Sept. 9, 1896; *s.* Earle L. and Alma (Fisher) B.; reared on farm. B.S., Univ. Me.

Brierley, Wilfrid Gordon, assoc. prof. pom., Univ. Minn., University Farm, St. Paul, Minn.
Hort., Nat. Farm Sch., Doylestown, Pa., 1907-9; instr. hort., Wash. State Coll., 1909-13; asst. prof. hort., Univ.

Minn., 1913-7; assoc. prof., 1917–; chm. Div. Hort., 1915-9: in chg. sect. of fruit-growing, 1919–. Vice-pres. for Minn., Amer. Pom. Soc., 1913-5. (Econ. of fruit culture: blueberry culture).—*b.* Dover, N. H., Sept. 9, 1885; *s.* Benj. and Harriet (Tarbuck) B.; reared in city suburbs; *m.* Beulah Wellman, June 30, 1914; *c.* Wilfrid G. Jr. B.S.A., Cornell Univ., 1906; M.S., Wash. State Coll., 1913. Zeta Epsilon Zeta: Gamma Sigma Delta; Alpha Zeta.

Briggs, George McSpadden, co. agrl. agt., Grantsburg, Wis.

Farmer and stockman, Dak., 1907-10; farmer, Minn., 1910-1; corn invest. work, Univ. Minn., 1911-3.—*b.* Houston, Minn., May 19, 1884; *s.* Henry R. and Octavia (McSpadden) B.; reared on farm; *m.* Mary McNelly, 1909; *c.* Helen, Wm. Randolph. B.S., Univ. Minn., 1916.

Briggs, Glen Newton, agron., Guam Agrl. Exp. Sta., Guam.

Student asst. and Sta. farmer, Okla. A. & M. Coll., 1916-7; field agt., Off. Farm Manag., U. S. Dept. Agr., 1916; present position, 1917–. Traveled in Hawaiian and Mariana Isls. (Trop. agr.).—*b.* Clay Center, Neb., Oct. 27, 1890; *s.* John and Belle M. (Stone) B.; reared on farm; *m.* Vallie Price, Mar. 24, 1917. B.S., Okla. A. & M. Coll., 1916. Alpha Zeta; Gamma Zeta.

Briggs, Leslie Palmer, co. agrl. agt., Ft. Sumner, N. Mex.

Asst. co. agt., Curry Co., N. Mex., 1917-8; agt. De Basa Co., 1918–. In U. S. Army, border serv., 1916-7. (Livestock, range conditions).—*b.* Greenville, N. Y., June 22, 1894; *s.* B. H. and Elizabeth (Palmer) B.; reared on farm and in city; *m.* Edith Reagan, Aug. 24, 1919. B.S. N. Mex. A. & M. Coll., 1917.

Briggs, Russell Goss, asst. hort. and sweet potato specialist, Ala. Poly. Inst., Auburn, Ala.

Asst. hort., Univ. Tenn., 1914-5; chem., Amer. Zinc Co., Carterville, Mo., 1916-7; prof. agr., high-sch., Carthage, Mo., 1917; asst. dem. agt., Univ. Mo., 1917-8; present position, 1919–. Sec. Ala. Sweet-Potato Assoc.—*b.* Joplin, Mo., Sept. 14, 1888; *s.* Julius L. and Adah (Goss) B.; reared in town and country; *m.* Anna I. Errett, 1915; *c.* Margaret, Caroline, Ruth. B.S.A., Univ. Mo., 1911; A.M., 1912.

Brigham, Elbert Sidney, state comnr. agr., St. Albans, Vt.

Present position, 1913–. Pres. Vt. Hort. Soc., 1904-5; pres. Vt. Farmers War Council; mem. New England Fed. Milk Comn.; mem. Adv. Com. on Nat. Agrl. Problems. Farmer, 1903–. Head butter and cheese sect., U. S. Food Adminis., Oct. 19, 1877; *s.* Sanford J. and Sarah J. (Bronson) B.; reared on farm; *m.* Anna S. Hazen, Oct. 2, 1906. B.S., Middlebury Coll., 1903; M.S., Univ. Vt., 1913 (hon.). Phi Beta Kappa; Delta Kappa Epsilon.

Brim, Orville Gilbert, prof. rural educ. Cornell Univ., Ithaca, N. Y.

Head dept. educ., Miss. Normal Coll., Hattiesburg, 1912-5; head dept. educ., Winthrop Normal & Ind. Coll., Rock Hill, S. C., 1915-7 Y. M. C. A. serv. in France and Italy, 1917-8. (Preparation of rural teachers).—*b.* Latchie, O., Aug. 18, 1883; *s.* Gilbert and Elizabeth (Hahn) B.; reared on farm; *m.* Helen Whittier, June 29, 1912; *c.* Betty, Lois, Mary Agnes. B.S., Valparaiso Univ., 1908; M.A., Columbia Univ., 1911; Ph.D., 1920.

Briscoe, John Manvers, prof. for., Univ. Me., Orono, Me.

In. U. S. For. Serv., 1909-10; present position, 1910–. State agt., white pine blister rust work; dir. public instr. in for.; dir. State For. Nursery Instr. engin., S. A. T. C. Traveled in Europe, 1905.—*b.* Pottsville, Pa. July 22, 1878; *s.* Sidney Bernard and Sarah (Loeser) B.; reared in town; *m.* Ethel L. Griscom, June 21, 1911; *c.* Sidney Griscom, Eleanor Louisa. M.F., Yale For. Sch., 1909.

Bristol, Lucius Moody, assoc. prof. sociol., W. Va. Univ., Morgantown, W. Va.

Instr., Tufts Coll., 1911; asst. prof., 1912-3; asst. prof., Brown Univ., 1913-5; asst. prof., W. Va., Univ., 1915-7; assoc. prof., 1917–. Pres. State Conference of Charities and Correction. *Auth.:* Social Adaptation, 1915. (Rural problems).—*b.* Castle Creek, N. Y., May 21, 1872; *s.* Wm. Harrison and Harriet (Blair) B.; reared in city; *m.*

Minnie E. Babcock, June 27, 1901; *c.* Loris Rood, Wilma Harriet. A.B., Univ .N. C., 1895; S.T.B., Boston Univ. Sch. Theol., 1899; M.A., Harvard Univ., 1910; Ph.D., 1913 (received Wells prize in econ., 1915). Phi Beta Kappa; Alpha Delta Phi.

Britt, Susan, home dem. agt., McCormick, S. C.

Teach. home econ., high-sch., Newberry, S. C., 1919-20; present position, 1920–.—*b.* McCormick, S. C., Sept. 25, 1896; *d.* J. B. and Minnie (Morrow) B.; reared on farm. A.B., Winthrop Normal and Ind. Coll., Rock Hill, S. C., 1917.

Brittain, William Harold, provincial ent. and prof. ent., N. S. Agr. Coll., Truro, N. S.

Asst. biol., Macdonald Coll., 1911-2; asst. bot., Seed Branch, Dept. Agr., Ottawa, 1912; provincial ent. and plant path., B. C., 1912-3; present position, 1913–. Sec.-treas. N. S. Ent. Soc.—*b.* Fredericton, N. B., Sept. 30, 1889; *s.* John and Charlotte (Bonney) B.; *m.* Mary M. Cruickshank, Mar. 27, 1918. B.S.A., McGill Univ. Sigma Xi.

Britton, Wilton Everett, state ent., and ent. Conn. Exp. Sta., New Haven, Conn.

Hort., Conn. Exp. Sta., 1894-1901; ent. and state ent., 1901–; lect. in ent., Yale For. Sch., 1901-5. Fellow A. A. A. S.; Ent. Soc. Amer. Pres. Amer. Assoc. Econ. Ent., 1909. *Assoc. ed.*, Journal of Economic Entomology, 1910–.—*b.* Marlboro, Mass., Sept. 18, 1868; *s.* Benj. Howard and Emma Eliza (Wright) B.; reared on farm; *m.* Bertha Madeline Perkins, Apr. 30, 1895. B.S., N. H. A. & M. Coll., 1893; Ph.D., Yale Univ., 1903. Sigma Xi.

Brodie, David Arthur, agrst., Off. Farm Manag., U. S. Dept. Agr., Washington, D. C.

Asst. agrst., Wash. State Exp. Sta., 1898-9; supt. Pullallup Exp. Sta., 1899-1903; supt. outdoor exhibit, Bur. Plant Ind., 1903-4; present position, 1904–. —*b.* Ont., July 28, 1868 (naturalized 1900); *s.* Joseph and Jane Esson (Nelson) B.; reared on farm; *m.* Elizabeth Masterson Potts, Aug. 8, 1906. B.S.A., Wash. State Coll., 1898.

Brodie, William Peter, co. agrl. agt., Old Court House, Cleveland, O.

Instr. agr., high-schs., Minn., 1911-4; instr. agr., Cortland Normal Sch., N. Y., 1915-7; instr. farm manag. and agron., N. Y. State Sch. Agr., Canton, 1917-8; asst. co. agt., Orleans Co., N. Y., 1918; co. agt., Salem Co., N. J., 1918-9; present position, 1919–. Private U. S. Army, May-July 1917.—*b.* Medina, Mich., Jan. 9, 1886; *s.* Jas. C. and Ida (Seward) B.; reared on farm; *m.* Ruth Esther Johnson, July 10, 1918. B.S., Purdue Univ., 1911; B.S., Cornell Univ., 1915. Alpha Gamma Rho.

Brodrick, Frederick William, prof. hort. and for., Man. Agr. Coll., Winnipeg, Man.

With Dominion Dept. Agr., 1904-6; lect. and prof., Man. Agr. Coll., 1907–. Sec. Man. Hort. and For. Assoc., 12 yrs.; pres. Great Plains Official Hort. Assoc. —*b.* St. Catherines, Ont., Feb. 22, 1879; *s.* John Harvey and Augusta Jane (Pawling) B.; reared on farm; *m.* May Stewart Wilson, Dec. 27, 1912; *c.* Katharine Margaret Helen, Beatrice Charlotte. B.S.A., Toronto Univ., 1903.

Brody, Clark Louis, co. agrl. agt., Port Huron, Mich.

Farm operator, 1905–; agt. St. Clair Co., Mich., 1915–. Pres. St. Joseph Co. Farm Bur., 1914-5.—*b.* Three Rivers, Mich., Feb. 1, 1879; *s.* Jas. P. and Emma L. (Seeley) B.; reared on farm; *m.* Margaret E. York, Nov. 14, 1906; *c.* Viola, Marjorie, Beatrice, Carol, Clark Jr., Jas. Kenneth. B.S., Mich. Agr. Coll., 1904. Alpha Zeta.

Brogan, Cecilia Barrett, home dem. agt., Chamber of Commerce, Paterson, N. J.

b. Louisville, Ky., Dec. 20, 1882; *d.* M. C. and Kate (Gorman) Barrett; reared on farm and in city; *m.* A. J. Brogan, Aug. 16, 1905. Student Freiburg Univ., Germany, and Columbia Univ.

Brooks, Charles Franklin, meteorologist, U. S. Weather Bur., Washington, D. C.

Asst. farm manag., U. S. Dept. Agr., 1914-8; instr. geography, Yale Univ., 1915-8. Sec. Amer. Meteorological Soc. Fellow A. A. A. S., Amer. Meteorological Soc. Traveled in Europe, 1912. Instr. Signal Corps, U. S. Army, May-Nov., 1918.—*b.* St. Paul, Minn., May 2, 1891; *s.* Morgan and Frona Marie

(Brooks) B.; reared in city; *m.* Eleanor Merritt Stabler, June 4, 1914; *c.* Edward Morgan, Margaret. A.B., Harvard Univ., 1912; A.M., 1912; Ph.D., 1914. Phi Beta Kappa.

Brooks, Cleat, breeder Duroc-Jersey swine, Blythedale, Mo.
b. Eagleville, Mo., June 26, 1897; *s.* Jas. Wm. and Nancy Ann (Lupu) B.; reared on farm; *m.* Esther Eloise Bridges, Oct. 9, 1918. Student short-course, Univ. Mo., 1916.

Brooks, Fred Ernest, ent., deciduous fruit insect invests., Bur. Ent., U. S. Dept. Agr., French Creek, W. Va.
Agt. W. Va. Exp. Sta., 1903-6; assoc. ent., 1907-11; present position, 1911–. Fellow A. A. A. S. Sec. W. Va. State Hort. Soc., 1905-6. (Insects affecting nuts).—*b.* French Creek, W. Va., June 8, 1868; *s.* Adolphus and Josephine (Phillips) B.; reared on farm; *m.* Grace Coburn, Sept. 3, 1896; *c.* Maurice Graham, Mary Elizabeth, Dorothy Josephine.

Brooks, Robert Preston, manag. dept. publicity and new business, Fourth Nat. Bank, Macon, Ga.
Asst., assoc., and prof. hist., Univ. Ga., 1907-19. Mem. Ga. Library Comn.; Univ. Comn. on Southern Race Questions. Made invest. of plantation conditions for Bur. Census, 1911. *Auth.:* Bibliography of Georgia History, 1910; History of Georgia, 1913; Agrarian Revolution in Georgia, 1914; Bibliography and Syllabus for the History of the South, 1918. *Ed.,* Fourth National Review, 1919–. (History agr. in South). —*b.* Milledgeville, Ga., July 23, 1881; *s.* Jas. H. and Anna (Moore) B.; reared in town; *m.* Josephine Edmondson Reid; *c.* Josephine Reid, Eugenia Preston, Anne Moore. A.B., Univ. Ga., 1904; B.A., Oxford Univ., England, 1907; Ph.D., Univ. Wis., 1912. Phi Beta Kappa; Alpha Tau Omega.

Brooks, Thomas Joseph, prof. markets and rural econ., Miss. A. & M. Coll., Agricultural College, Miss.
Sec. Tenn. Farmers Union, 3 yrs.; nat. lect. on agrl. legislation of Farmers Union, 8 yrs. Bienial del. of U. S. Intern. Inst. Agr. 1913. Tenn. State Senator, 1911-2. Traveled various foreign countries. Farmer. *Auth.:* March of Intellect, 1909; Markets and Rural Economics, 1914.—*b.* Atwood, Tenn., Oct. 17, 1870; *s.* T. B. and Matilda Jane (Anderson) B.; reared on farm; *m.* Lelia Perkins, 1915; *c.* T. J. Jr., Willard Banks. Attended Southern Normal Univ.

Brooks, Troy E., co. agrl. agt., Burnet, Tex.
Teach. sci., public schs., Tex. 1917-9; present position, 1919–.—*b.* Bangs, Tex., Mar. 19, 1892; *s.* F. M. and Maggie (Nix) B.; reared on farm. A.B., Howard Payne Coll., Brownwood, Tex., 1917.

Brooks, William Penn, consulting agrst., Mass. Exp. Sta., Amherst, Mass.
Prof. agr., Imperial Coll. Agr., Japan, 1877-88; prof. bot., 1880-8; acting pres., 1880-3, 1886-7; prof. agr., Mass. Agr. Coll. and agrst. Exp. Sta., 1889-19; acting pres., Jan.-Apr., 1903, Jan. 1905-July 1906; dir. Mass. Exp. Sta., 1906-18. Fellow A. A. A. S. Decorated 4th Order of Rising Sun, Japan, 1888. Second vice-pres. Amer. Assoc. Agrl. Colls. and Exp. Stas.; pres. Hampden-Hampshire Agrl. Soc. Farm operator, 1908-12. Traveled in Japan and Europe. *Auth.:* Agriculture, 3 vols., 1901; rev., 1903, 1905, 1911.—*b.* Scituate, Mass., Nov. 19, 1851; *s.* Nathaniel and Rebecca P. (Cushing) B.; reared on farm; *m.* Eva Bancroft Hall, Mar. 28, 1882; *c.* Rachel Bancroft, Sumner Cushing. B.S., Mass. Agr. Coll., 1875; Ph.D., Friedrichs-universitat, Halle, Germany, 1897; hon. degree: '*Nogaku Hakushi*' (Learned in Agrl. Sci.), conferred by Dept. Educ., Japan, 1919. Phi Sigma Kappa.

Broom, Thomas Jefferson Winfield, co. agrl. agt., Monroe, N. C.
Pres. Co. Cotton Assoc., Farmers Union.—*b.* Union Co., N. C., Mar. 18, 1866; *s.* Jas. M. and Martha E. (Richardson) B.; reared on farm; *m.* Joanna Helms, Nov. 23, 1892; *c.* Ernest Harry, Mildred Elaine.

Brossard, Edgar Bernard, prof. farm manag., Utah Agr. Coll., Logan, Utah.
Instr. math., Utah Agr. Coll., 1909-10; state farm manag. dem., 1914-6; instr. farm manag., Univ. Minn., 1918-9; present position, 1919–. Chg. French

publications of Church of Jesus Christ of Latter Day Saints, 1912-4. In Europe, 1911-4. (Farm econ.).—*b.* Oxford, Ida., Apr. 1, 1889; *s.* Alphonse Aimable and Mary Catherine (Hobson) B.; reared on farm; *m.* Laura Parkinson Cowley, Aug. 25, 1915. B.S., Utah Agr. Coll., 1911; M.S., Univ. Minn., 1917; Ph.D., 1919. Alpha Zeta; Pi Zeta Pi.

Brossard, Howard S., co. agrl. agt., Billings, Mont.
b. Oxford, Ida., Mar. 13, 1894; *s.* Alphonse and Mary (Hobson) B.; reared on farm; *m.* Shirley Rogers; *c.* Stratford, Bernice. B.S., Utah Agr. Coll., 1916. Phi Kappa Iota.

Brossard, Rolland Elmer, co. agrl. agt., Idaho Falls, Ida.
Del. to Intern. Dry Farming Congress, 1913.—*b.* Oxford, Ida., Aug. 22, 1891; *s.* Alphonse and Mary (Hobson) B.; reared on ranch; *m.* Lelia Taylor, Nov. 26, 1914; *c.* Robt. Elmer. B.S., Utah Agr. Coll., 1913. Delta Theta Sigma.

Brougham, Earl G., co. agrl. agt., Walton, N. Y.
b. Van Etten, N. Y., Aug. 31, 1890; *s.* Robt. J. and Hattie E. (Knowles) B.; reared on farm; *m.* Helen M. Roberts, Dec. 25, 1917; *c.* Helen Louise. B.S., Cornell Univ., 1914.

Brown, A. Abbott, prof. poultry husb., Syracuse Univ., Syracuse, N. Y.
Instr. poultry husb., Mass. Agr. Coll., 1912-4; present position, 1914–. Farmer.—*b.* Waterloo, Wis., Feb. 21, 1890; *s.* Sidney A. and Lydia B. (Thompson) B.; reared on farm; *m.* Ethel L. Price, Aug. 5, 1914; *c.* Clifford Roscoe. B.S., Univ. Wis., 1912.

Brown, Addison Makepeace, sec. Mich. Agr. Coll. and State Bd. Agr., E. Lansing, Mich.
Member State Senate, 1898-1900. Del. to First Nat. Conference on Marketing and Farm Credits.—*b.* Schoolcraft, Mich., Feb. 15, 1859; *s.* E. Lakin and Mary Ann (Miles) B.; reared on farm; *m.* Mollie Eliza Earl, Sept. 29, 1885; *c.* Hearty Earl, Edward Lakin, Dorothy Miles, Malcolm Makepeace, Pamela. B.A., Univ. Mich., 1883. Psi Upsilon.

Brown, Bliss S., dir. voc. agr., Pomona High-Sch. and Junior Coll., Pomona, Calif.
Asst. hort., Baron De Hirsch Agr. Sch., Woodbine, N. J., 1907-8; hort., 1908-9; instr. hort., Univ. Calif., 1909-12; prof. hort. and head dept., Univ. Me., 1913-9; present position, 1919–. *Auth.:* Modern Fruit Marketing, 1916; Modern Propagation Tree Fruits, 1916. (Marketing farm products).—*b.* Williams Center, O., Sept. 15, 1880; *s.* A. C. and Celestia (Shirkey) B.; reared on farm; *m.* Jella J. Williamson, Aug. 12, 1912; *c.* Marvin R., Victor H., Berne Kenneth. B.S., Mich. Agr. Coll., 1903; M.S., Univ. Calif., 1911.

Brown, David Rowe, fruit-grower, Afton, Va.
Princ. rural high-schs., Va., 5 yrs.; peach-grower, 5 yrs.; apple-grower, 2 yrs.; with DuPont Powder Co. manufacturing gun cotton, 2 yrs.—*b.* Temple, Tex., Apr. 24, 1892; *s.* David Henry and Mattie (Rowe) B.; reared in village; *m.* Mary Hall McCue, June 18, 1919. Student Randolph-Macon Coll., 2 yrs., Univ. Va., 1 yr. Pi Kappa Alpha.

Brown, Dillon Sidney, pres. Exchange Bank, Genoa, Ill.
Pres. De Kalb Co. Soil Improvement Assoc.—*b.* Genoa, Ill., May 12, 1852; *s.* Jeremiah Libby and Eliza Ann (Jackman) B.; reared on farm; *m.* Emily E. Pond, May 16, 1878; *s.* Earle Wesley, Bayard. M.S., Univ. Ill., 1875.

Brown, Earl Ayres, farmer, Sparks, Md.
Asst. princ., agrl. high-sch., Sparks, Md., 1913-5; asst. agrst. in farm manag. dem., U. S. Dept. Agr., 1915-7; agt. Hartford Co., Conn., 1917-9.—*b.* Montour Falls, N. Y., May 8, 1891; *s.* Oscar M. and Almeda M. (Ayres) B.; reared on farm; *m.* Clarice Ballou, May 20, 1916; *c.* Janet Helen, Robt. Ballou. B.S., Cornell Univ., 1913. Alpha Zeta.

Brown, Edwin Arthur, minister, Edison, O.
Initiated one of the first community training schs. for religious workers and week day schs. of religious instr. in a rural community. Mem. Northeast Ohio Conference, Methodist Episcopal Church.—*b.* Delta, O., Sept. 9, 1890; *s.* Geo. H. and Cora E. (Van Gundy) B.; reared in town; *m.* Blanche Porterfield,

Aug. 20, 1913; *c.* Geo. Henry, Ruth Ellen. B.A., Ohio Wesleyan Univ., 1913; S.T.B., Boston Univ. Sch. Theol., 1917. Delta Sigma Rho.

Brown, Frank Howard, fruit-grower, Marlboro, Mass.
Asst. agr., Mass. Exp. Sta., 1900; fruit-grower, 1901–; co. agrl. agt., 1916-7. Sec. New England Fruit Show; sec.-treas. Mass. Fruit Growers Assoc.; treas. Highland Coop. Fruit Exchange. Served in Spanish-Amer. War; garden officer, Amer. Red Cross, A. E. F., France.—*b.* Newton Center, Mass., Nov. 13, 1876; *s.* Frank N. and Abbie L. (Ladd) B.; reared in town; *m.* Rhoda H. Speare, Oct. 8, 1902. B.S., Mass. Agr. Coll., 1900. Kappa Sigma.

Brown, Frank J., agrl. agt., Slayton, Minn.
Farmer, grain and live-stock, 1909-13; farm manag. dem., Univ. Minn., 1916-7; agrl. agt. Murray Co., 1917–.—*b.* Yellow Medicine Co., Minn., Aug. 12, 1886; *s.* C. A. and Eunice (Robson) B.; reared on farm and in village; *m.* Ada G. Hanson, June 9, 1909; *c.* Robt., Bernice, Wesley. B.A., Hamline Univ., 1908; B.S.A., Univ. Minn., 1915.

Brown, Frederick Walworth, exec. sec. U. S. Potash Producers Assoc., 411 Southern Bldg., Washington, D. C.
Asst. in chg. fert. resources, Bur. Soils, U. S. Dept. Agr., 1916-9; present position, 1919–. *Auth.:* Dan McLean's Adventures, 1910.—*b.* Ann Arbor, Mich., Dec. 31, 1875; *s.* Frederick T. and Annie E. (Bates) B.; reared in town; *m.* Virginia Hynson, Oct. 12, 1905; *c.* Frederick W., Virginia Hynson. A.B., Princeton Univ., 1897; M.A., 1898.

Brown, Gordon Gordon, hort., Hood River Exp. Sta., Hood River, Ore.
Provincial fruit insp., B. C., 1913-6; present position, 1916–.—*b.* Fairview Ore., May 28, 1887; *s.* Oscar and Harriett (Dixon) B.; reared on farm; *m.* Margaret E. Littlehales, Jan. 1, 1914; *c.* Virginia Helen. A.B., Pacific Univ., 1910; B.S., Ore. Agr. Coll., 1912.

Brown, Harry Bates, plant-breeder, Miss. Exp. Sta., Agricultural College, Miss.
Instr. bot., Ind. Univ., 1907; instr. bot., Cornell Univ., 1908-11; prof. bot., Miss. A. &. M. Coll., 1911-5; present position, 1915–. (Cotton, corn breeding, genetics).—*b.* Carroll Co., Ind., June 9, 1876; *s.* John H. and Sue (Bates) B.; reared on farm; *m.* Ina Barker, Sept., 1911; *c.* Harry B. Jr., Sue Eleanor, Mary Etta. A.B., Ind. Univ., 1906; A.M., 1907; Ph.D., Cornell Univ., 1910. Sigma Xi.

Brown, Harry Rufus, promoter dairy ind., N. S. Dominion Dept. Agr., Truro, N. S.
b. Wallace Bay, N. S., Jan. 12, 1889; *s.* Peter G. and Annie Stewart (MacKenzie) B.; reared on farm.

Brown, Percy Edgar, prof. soil bact. and chief soil chem. and bact. Exp. Sta., Ia. State Coll., Ames, Ia.
Asst. soil chem., Rutgers Coll., 1906-10; present position, 1910–. *Auth.:* (with J. G. Lipman) Laboratory Manual in Soil Bacteriology, 1911.—*b.* Woodbridge, N. J., Oct. 9, 1885; *s.* Jonathan Edgar and Jeannette E. (Walker) B.; reared on farm. B.S., Rutgers Coll., 1906; A.M., 1909; Ph.D., 1912. Phi Beta Kappa; Phi Kappa Phi; Phi Lambda Upsilon; Alpha Zeta; Delta Upsilon; Gamma Sigma Delta.

Brown, Ralph Vernon, co. agrl. agt., Stillwater, Minn
Asst. advertiser for Rumely Products Co., Chicago, 1914; formerly co. agrl. agt., Neillsville, Wis. (Agrl. advertising).—*b.* Mazomanie, Wis., Nov. 4, 1888; *s.* Fred and Martha (Goist) B.; reared on farm; *m.* Florence Knilans, Aug. 17, 1916. B.Sc., Univ. Wis., 1913.

Brown, Robert William, sec. Amer. Galloway Breeders Assoc., Carrollton, Mo.
Sec. Mo. Farm Bur. Assoc. 1st Lieut., Spanish-American War. Sec. Carroll Co. Council Defense, 1917-8. (An. husb.).—*b.* Myrtleford, Australia, Oct. 17, 1875 (naturalized as minor); *s.* Wm. Mathieson and Flora (Aiton) B.; reared on farm; *m.* Mary Hudson Goodson, Oct. 19, 1910. Student Univ. Mo., 1894-6. Phi Delta Theta.

Brown, Walter Sheldon, prof. and chief div. hort., Ore. Agr. Coll., Corvallis, Ore.
Teach., Univ. Wis., 1904-6; head dept. hort., Winona Agrl. Inst., Winona Lake, Ind., 1906-8; pres. and general manag., Corvallis Orchard Co., 1908-13;

ext. specialist hort., Ore. Agr. Coll., 1913-9; prof. pom., Ore. Agr. Coll., Mar.-Dec., 1919; present position, 1920-.—*b.* Portville, N. Y., Jan 24, 1878; *s.* S. Sheldon and Martha P. (Hornblower) B.; reared on farm: *m.* Clara Louise Raddas, Dec. 31, 1912; *c.* Grace Marjorie, Lois Elizabeth. A.B., Alfred Univ., 1899; B.S.A., Cornell Univ., 1904; M.S., Univ. Wis., 1906.

Brown, William Justin, instr. voc. agr., high-sch., Butler, Mo.
Asst. prof. agron., State Teach. Coll., Kirksville, Mo., summer 1919.—*b.* Newtonia, Mo., Sept. 20, 1897; *s.* Wm. D. and Louie (Green) B.; reared on farm. B.S.A., Univ. Mo., 1919. Alpha Zeta; Gamma Sigma Delta.

Browne, Elizabeth Hope, home dem. agt., 419 Federal Bldg., Providence, R. I.
b. Pawtucket, R. I., June 18, 1896; *d.* Wm. and Mary (Jackson) B.; reared in city. B.S., R. I. State Coll. Sigma Kappa.

Browne, Thomas Everett, state dir. voc. educ., N. C. State Coll., W. Raleigh, N. C.
Prof. Latin and English, Atlantic Collegiate Inst., Elizabeth City, 1902-4; co. supt. public instruction, Hertford Co., 1905-11; co. farm dem. agt., 1908-11; distr. agt. farmers coop. dem. work, 1911-3; prof. ext. and state agt. boys' club work, N. C. A. & M. Coll., 1913-7; prof. voc. educ., acting state dir. voc. educ., state agt. boys' club work, 1917-9. General farming, 1904-11.—*b.* Murfeesboro, N. C., Mar. 17, 1881; *s.* W. T. and Ida May (Maget) B.; reared on farm; *m.* Martha Broadus Farrar, Jan. 10, 1906 (d. 1917); 2d, Maud Barnard, May 26, 1919; *c.* Thos. E. Jr., Micou Farrar, Edmund Broadus, Joseph Majette. B.A., Wake Forest Coll.

Brownell, Roscoe David, co. agrl. agt., Mangum, Okla.
b. W. Cambridge, N. Y., June 25, 1877; *s.* W. S. and Jane M. (Kenyon) B.; reared on farm; *m.* Mabel Gurley, June 12, 1916. A.B., Colgate Univ., 1902. Phi Beta Kappa; Delta Upsilon.

Brownfield, William Watson, distr. superv. co. agts. for S. E. Ohio, Ohio State Univ., Columbus, O.
Farmer, Uniontown, Pa., 1912-5; co. agt. Barbour Co., W. Va., 1915-6; Washington Co., O., 1916-8; present position, 1918-.—*b.* Uniontown, Pa., June 11, 1888; *s.* Isaac H. and Mary A. (McLean) B.; reared on farm; *m.* Faye W. Shipman, Aug. 26, 1912; *c.* Lyman H., Chas. Wm., Barbara Winnifred, Robt. Wendell. B.S. Agr., Ohio State Univ., 1912. Delta Theta Sigma.

Broyles, William Anderson, assoc. prof. agrl. educ., Tex. A. & M. Coll., College Station, Tex.
Princ. high-sch., Gaston, Ind., 1903-7; head dept. biol., high-sch., Elwood, 1908-10; head dept. agr. and biol., State Normal Ind. Sch., Ellendale, N. D., 1910-3; princ. Walsh Co. Agr. and Training Sch., Park River, N. D., 1913-6; present position, 1916-.—*b.* Delaware Co., Ind., Oct. 2, 1879; *s.* Joseph A. and Eliza C. (Reeder) B.; reared on farm; *m.* Bertha Burns Lee, Sept., 1908. B.S., Tri State Coll., 1905; A.B., Ind. Univ., 1908; M.A., Univ. Wis., 1914. Phi Delta Kappa.

Bruce, Donald, assoc. prof. for., Univ. Calif., Berkeley, Calif.
For. asst., U. S. For. Serv., 1910-2; for. examiner, 1912-4; for. superv., Flathead Nat. For., 1914-5; asst. prof. for., Univ. Calif., 1915-9; assoc. prof., 1919-. Mem. com. on private for., Soc. Amer. Foresters, 1919-. Capt. Engin., O. R. C., U. S. Army in France, 1917-9. —*b.* Newtonville, Mass., July 23, 1884; *s.* Irving and Mary (Skinner) B.; reared in town; *m.* Beatrice de Bussey, Oct. 4, 1913; *c.* Mary Elinor, David Maxson, Roger Irving. A.B., Yale Coll., 1906; M.F., Yale For. Sch., 1910. Psi Upsilon.

Bruce, Oscar Clayton, prof. soils, Md. State Coll., College Park, Md.
Farmer, 1913-4. In U. S. Army, 1917-9.—*b.* Chillicothe, Mo., Jan. 24, 1891; *s.* Vincent C. and Margaret (Hayes) B.; reared on farm. B.S., Univ. Mo., 1913.

Brues, Charles T., asst. prof econ. ent., Bussey Inst., Harvard Univ., Forest Hills, Mass.
Curator Milwaukee Public Museum, 1904-9; instr. econ. ent., Harvard Univ., 1909-12; asst. prof., 1912-. Fellow Amer. Acad. Arts & Sci.; Ent. Soc. Amer.; A. A. A. S. Ent. with expedition from

Harvard Sch. Trop. Med. to Ecuador and Peru, 1913. *Auth.:* (with Melander) Key to Families of North American Insects, 1915; (with Morrison) How to Make the Garden Pay, 1916. *Ed.*, Psyche, A Journal of Entomology, 1909–.—*b.* Wheeling, W. Va., June 20, 1879; *s.* Chas. T. and Ada (Mossie) B.; reared in city; *m.* Beirne Barrett, 1904; *c.* Austin M., Alice M. B.S., Univ. Tex., 1901; M.S., 1902.

Brundage, Augustus Jackson, state club leader, Conn. Agr. Coll., Storrs, Conn.
Asst. coll. dept., Conn. Agr. Coll., 1910-1; farm manag., 1911-2; agrl. superv. public schs., 1913-4; present position, 1914–. (Boys' and girls' clubs). —*b.* Danbury, Conn., Aug. 19, 1890; *s.* A. Benj. and Fanny Louise (Pierce) B.; reared on farm; *m.* Ruth Miller, June 24, 1915; *c.* Roger Pierce, C. Kenneth Pierpont. Grad. Conn. Agr. Coll., 1910.

Bruner, Lawrence, prof. ent., Univ. Neb., Lincoln, Neb.
Asst., U. S. Ent. Comn., 1880; field agt., U. S. Dept. Agr., Univ. Neb., 1888; ent., Neb. Exp. Sta., 1888-90; instr. ent., Univ. Neb., 1890-5; prof., 1895–; state ent. Traveled in S. Amer., Mexico, Costa Rica, Japan, China, Philippines. Represented Neb. at Panama-Pacific Expos., 1915. (Orthopteroid insects, locusts in particular).—*b.* Catasaqua, Pa., Mar. 2, 1856; *s.* Uriah and Amelia (Probst) B.; reared on farm; *m.* Marcia Dewell, Dec. 25, 1881; *c.* Psyche E., Helen M. B.S., Univ. Neb., 1897.

Brunner, Edmund de Schweinitz, clergyman, 45 W. 18th St., New York, N. Y.
Dir. Rural Survey Branch, Interchurch World Movement; assoc. sec. Home Missions Council, exec. sec., Com. on the Church and Country Life, Federal Council of Churches. *Auth.:* History of Moravian Missions among California Indians, 1914; Cooperation in Coopersburg, 1916; The New Country Church Building, 1917; The Country Church in the New World Order, 1919. (The country church, rural sociol.).—*b.* Bethlehem, Pa., Nov. 4, 1889; *s.* Franklin H. and Nina (de Schweinitz) B.; reared in town; *m.* Mary W. Vogler, Dec. 16, 1912; *c.* Edmund deS. Jr., Wilfred Robt. B.A., Moravian Coll., 1909; B.D., 1911; M.A., 1912; Ph.D., 1914.

Bryan, Arthur Buist, agrl. ed., Clemson Agr. Coll., Clemson College, S. C.
Instr. English, Clemson Agr. Coll., 1901-3; asst. prof., 1903-13; assoc. prof., 1913-8; agrl. ed., 1918–.—*b.* Lees, S. C., June 7, 1875; *s.* Chas. E. and Martha (Zorn) B.; reared on farm; *m.* Inez Sledge, Nov. 2, 1904; *c.* Wm. Wright, Mary Cox. B.S., Clemson Agr. Coll., 1898; B.Litt., Geo. Peabody Coll., 1901.

Bryan, Ollie Clifton, co. agrl. agt., Vernon, Ala.
b. Elba, Ala., July 30, 1894; *s.* M. B. and Ollie (Clifton) B.; reared on farm. B.S., Ala. Poly. Inst., 1918.

Bryan, Walker Edward, assoc. prof. plant-breeding, Univ. Ariz., Tucson, Ariz.
Teach. sci., 2nd Distr. Agrl. Sch., Evergreen, Ala., 1912-4; asst. prof. plant-breeding, Univ. Ariz., 1916-9; assoc. in chg., 1919–. Cotton-grower, Ala., 4 yrs. (Inheritance in wheat).—*b.* Gadsden, Ala., Jan. 24, 1885; *s.* S. B. and Anne (Wilson) B.; reared on farm; *m.* Edith Coffman, Aug. 7, 1918; *c.* Wm. Craig. B.S., Ala. Poly. Inst., 1911; M.S., Univ. Wis., 1915.

Bryant, Hal Farnsworth, field agt., U. S. Bur. Crop Estimates, 520 Custom House, Louisville, Ky.
Newspaper reporter, Lexington, Ky., 1908, 1910-2.—*b.* Lexington, Ky., Sept. 15, 1888; *s.* D. H. and Sarah Q. (Thomson) B.; reared on farm. B.S.A., Univ. Ky., 1914; M.S.A., 1916.

Bryant, Thomson Ripley, asst. dir. agrl. ext., Univ. Ky., Lexington, Ky.
Asst. an. husb., Ky. Exp. Sta., 1908-10; prof. bact., Univ. Ky., 1910-2; asst. dir. ext., 1912–. (Bact.).—*b.* Fayette Co., Ky., Jan. 8, 1885; *s.* Dudley H. and Sarah Quarles (Thomson) B.; reared on farm; *m.* Lillian Chenault Watts, Nov. 5, 1913; *c.* Elizabeth Scovell, Thomson R. Jr. B.S.A., Univ. Ky., 1908. Sigma Alpha Epsilon; Alpha Zeta.

Bryant, Virgil Clay, asst. prof. agrl. ext., Univ. Calif., Berkeley, Calif.

Student asst., Kans. State Agr. Coll., 1909-10; student asst. Univ. Calif., 1910-1; instr. agr., Los Banos high-sch., Calif., 1911-3; instr. ext., Univ. Calif., 1913-5; asst. prof., 1915–. Dairy farmer, 1916–.—*b.* Edwards Co, Kans., Dec. 23, 1888; *s.* G. L. and Sarah (Shank) B.; reared on farm; *m.* Isabelle Arnott, June 24, 1914; *c.* Fern Frances, Sarah Elizabeth. B.S., Kans. State Agr. Coll., 1910; M.S., Univ. Calif., 1911.

Buchanan, Robert Earle, dean graduate coll., prof. bact., bact. Exp. Sta., Ia. State Coll., Ames, Ia.

Instr. bot., Ia. State Coll., 1905-6; asst. prof. bact., 1906-7; assoc. prof., 1908-9; prof., 1909–; dean ind. sci., 1913-9; dean graduate coll., 1919–. Fellow A. A. A. S. Vice-pres. Soc. Amer. Bact., 1916; pres., 1917. *Auth.:* Veterinary Bacteriology, 1911, 2d ed., 1916; (with Mrs. Buchanan) Household Bacteriology. Adv. ed., Journal of Bacteriology.—*b.* Cedar Rapids, Ia., Mar. 27, 1883; *s.* John and Josephine (Hall) B.; reared in small town and on farm; *m.* Estelle D. Fogel, Jan. 6, 1909; *c.* Joseph Hall. B.S, Ia. State Coll., 1904; M.S., 1906; Ph.D., Univ. Chicago, 1908. Sigma Xi; Phi Kappa Phi; Phi Lambda Upsilon; Delta Theta Sigma; Delta Upsilon.

Buchanan, R. R., co. agrl. agt., Sissiton, S. D.

Owner stock farm, Minn., 1916–. (Live-stock, dairy cattle and hogs).—*b.* Ripley, O., Dec. 18, 1888; *s.* John and Emily (Riggs) B.; reared on farm; *m.* Vera V. LaGrange, Sept. 4, 1917; *c.* Murray L. B.S.A., Ohio State Univ., 1914. Delta Theta Sigma.

Buchanan, Walter Solomon, pres. State A. & M. Coll., Normal, Ala.

Pres. Corona Ind. Inst., Ala., 1907-9; present position, 1909–. *Assoc. ed.,* Competitor. (Agrl. educ.).—*b.* Troy, Ala., Feb. 8, 1882; *s.* Frederick and Harriet (Segars) B. (col.); reared in town; *m.* Ida Councill, Sept. 24, 1909; *c.* Councill, Walter S. Jr., Ruth, Geo. B.S.A., Harvard Univ., 1907; A.M., Selma Univ., 1910.

Bucher, Floyd Steinmetz, co. agrl. agt., Lancaster, Pa.

Asst. soils, Penn. State Coll., 1910; sci. asst., Bur. Soils, 1910-2; instr. soils, Penn. State Coll., 1912-3; agt. Lancaster Co., Pa., 1913–. Pres. Penn. Agrl. Ext. Reps.—*b.* Reamstown, Pa., Feb. 16, 1887; *s.* Wm. H. and Alice (Steinmetz) B.; reared on farm. B.S., Penn. State Coll., 1910. Alpha Zeta; Phi Kappa Phi.

Buchholz, Arthur Bernard, co. agrl. agt., Hudson, N. Y.

b. Geneva, N. Y., Dec. 6, 1886; *s.* A. E. and O. (Hein) B.; reared on farm and in village; *m.* Daisy M. Weeks, Apr. 30, 1914; *c.* Lewis, Jane, Priscilla. B.S., Hobart Coll., 1909; M.S.A., Cornell Univ., 1911. Phi Phi Delta.

Buck, John Lossing, agrl. missionary and acting dean Coll. Agr. and For., Univ. Nanking, Nanking, China.

Farm instr., New Hampton Farms, N. Y., 1914-5; in chg. agrl. exp. work, Amer. Presbyterian Mission, Nanhsuchou, China, 1916–; teach. farm manag. and farm engin., Univ. Nanking, 1920–. Mem. agrl. com., China Christian Educ. Assoc.—*b.* LaGrangeville, N. Y., Nov. 27, 1890; *s.* Vincent M. and Grace (Ten Hagen) B.; reared on farm; *m.* Pearl Sydenstricker, May 30, 1917; *c.* Caroline Grace. B.S., Cornell Univ., 1914.

Buckler, Carl Wellington, asst. state leader jr. ext., Univ. Ky., Lexington, Ky.

Dir. agr., Manual Training Sch., Glenwood, Ill., 1915-8; head. agrl. dept., E. Ill. State Normal Sch., Charlestown, 1918-9; agt. Monroe Co., W. Va., 1919-20; present position, 1920–. *Ed.,* Community Building, 1919–. (Live-stock).—*b.* Metcalf, Ill., Apr. 14, 1887; *s.* W. M. and Lizzie Jane (Jennings) B.; reared on farm; *m.* Anne K. Hoyt, June 1, 1918. B.S., Univ. Ill., 1915.

Buckley, Dorothy Savery, asst. state home dem. leader, Conn. Agr. Coll., Storrs, Conn.

Instr. home econ., Mechanics Inst., Rochester, N. Y., 1911-4; instr. home econ., Corporation Sch., Brooklyn Union Gas Co., Brooklyn, N. Y., 1914-8; present position, 1918–.—*b.* Kyoto, Japan, Aug. 2, 1889; *d.* Edmund and Sara (Craig) B.; reared in city. Ph.B., Univ. Chicago, 1911.

Buckley, Samuel Sutherland, ext. an. husb., U. S. Bur. An. Ind., and Md. State Coll., College Park, Md.

Prof. vet. sci., Md. Agr. Coll., 1897-1916; vet., Md. Exp. Sta., 1899-1916; specialist an. ind. ext., 1916-8; ext. an. husb., 1918–.—*b.* Mt. Washington, Md., May 31, 1873; *s.* Earlum and Helen Mar (Sutherland) B.; reared in town; *m.* Clara R. Thomas, June 12, 1899; *c* Helen M., Dorothy M. B.Sc., Md. Agr. Coll., 1893; D.V.S., Amer. Vet. Coll. of Univ. of N. Y., 1896; M.Sc., Md. Agr. Coll., 1899.

Buckman, Harry Oliver, prof. soils, Cornell Univ., Ithaca, N. Y.

Asst. chem. sect., Ia. Exp. Sta., 1906-7; asst. agron., Mont. Exp. Sta., 1907-9; asst. prof. soils, Cornell Univ., 1912-7; prof., 1917–. *Auth.:* (with Lyon and Fippin) Soils-Their Properties and Management, 1915.—*b.* W. Liberty, Ia., July 4, 1883; *s.* Chas. E. and Louisa (Walter) B.; reared on farm; *m.* Rita Shannon, Dec., 1912. B.S.A., Ia. State Coll., 1906; M.S.A., 1908; Ph.D., Cornell Univ., 1912. Sigma Xi; Alpha Zeta; Gamma Alpha; Delta Upsilon.

Buechner, Charles Arthur, co. agrl. agt., La Porte, Ind.

Gardener and farm manag.. 4 yrs.—*b.* S. Bend, Ind., Aug. 2, 1893; *s.* Micheal A. and Ida (Marie) B.; reared in town. B.S.A., Purdue Univ., 1917. Alpha Gamma Rho.

Buell, Dorr Darius, farmer, Elmira, Mich.

Pres. Mich. Potato Growers Exchange, 1918–. Traveled in Europe, 1900.—*b.* Union City, Mich., May 20, 1882; *s.* Darius David and Estelle (Strong) B.; reared on farm; *m.* Pauline Gray, Oct. 25, 1906; *c.* Thos. B. Student Univ. Mich., 1 yr. Delta Tau Delta.

Buell, Thomas Bingham, farmer, Union City, Mich.

Pres. Branch Co. Farm Bur. Traveled in Europe, 1900.—*b.* Union City, Mich., July 30, 1880; *s.* Darius D. and Estelle (Strong) B.

Buffum, Burt C., pres. and gen. manag., The Emmer Products Co., Denver, Colo.

Asst. meteorology and irrig. engin., Colo. Agr. Coll., 1890; prof. agr. and hort., Univ. Wyo., 1891-1900; vice-dir. Wyo. Exp. Sta., 1896-1900; prof. agr., Colo. Agr. Coll., 1900-2; prof. agr., Univ. Wyo. and dir. Exp. Sta., 1902-7; gen. manag., Wyo. Plant and Seed Breeding Co., 1907-13; plant-breeder, Buffum Pure Seed Co., 1913-4; pres. Emmers Products Co., 1914-; chg. plant-breeding, Wyo. State Ind. Inst., Worland, Wyo., 1915. Fellow A. A. A. S. Comnr. Lewis & Clark Expos., Portland, Ore., 1905. *Auth.:* Arid Agriculture, 1909; Plant Breeding, 1912; Sixty Lessons in Agriculture (with Deaver), 1913.—*b.* South Bend, Ind., Apr. 7, 1868; *s.* Geo. W. and Harriet (Butts) B.; *m.* Luda Maude Southworth, June 24, 1890. B.S., Colo. Agr. Coll., 1890; M.S., 1893.

Bull, Alvah Milton, asst. prof. agrl. engin., supt. bldgs. and grounds, Univ. Minn., University Farm, St. Paul, Minn.

(Farm bldgs. and construction).—*b.* Hennepin Co., Minn., Apr. 23, 1871; *s.* Jas. A. and Amie L. (Cooper) B.; reared on farm; *m.* Lydia Mann Blake, 1901; *c.* Alvah Stanley, John Milton. B.S., Univ. Minn.

Bull, Coates Preston, farmer, Worthington, Minn.

Asst. prof. farm crops, Univ. Ill., 1901-2; asst. and instr. farm crops, Univ. Minn., 1902-6; asst. prof , 1906-11; assoc. prof., 1911-6; prof. agron., 1916-9. Sec. Minn. Crop Improvement Assoc.; vice-pres. Amer. Soc. Agron.; dir. Nat. Corn Assoc.—*b.* Edina Mills, Minn., Oct. 11, 1872; *s.* Jas. A. and Amie Lea (Cooper) B.; reared on farm; *m.* Lotta Mae Tryon, Oct. 12, 1904; *c.* Coates P. Jr., Henry Enoch, Jas Tryon. B.S.A., Univ. Minn., 1901. Sigma Xi; Alpha Zeta.

Bullard, Cora Wellhouse, rural leader, Tongahoxie, Kans.

Mem. Kans. School Book Comn.; vice-pres. Kans. State Council of Defense; mem. exec. com., Kans. Livestock Assoc.; life hon. mem., Kans. Bd. Agr.—*b.* Leavenworth, Kans., Jan. 25, 1861; *d.* Frederick and Susan (Housley) Wellhouse; reared on farm; *m.* Henry Shelby Bullard, June 26, 1889.

Bullock, Benjamin Franklin, dir. agr. and prof. rural educ., Prairie View State Coll., Prairie View, Tex.

Instr agr. and chem., Lincoln Inst., Jefferson City, Mo., 1913-4; instr. agr. and biol., Morehouse Coll., Atlanta, Ga., 1914-7; dir. agr., A. & M. Coll., Tallahassee, Fla., 1917-9; present position, 1919-.—*b.* Edgecombe Co., N. C., Apr. 2, 1888; *s.* Geo. and Martha (Johnston) B. (col.); reared on farm; *m.* Penelope L. Burwell, Sept. 18, 1918; *c.* Benj. F. Jr. B.S.A., Univ. Minn., 1913. Alpha Phi Alpha.

Bullock, Dillman Samuel, asst. prof. ext. an. husb., Univ. Wis., Madison, Wis.

Teach. agr., Mision Agricola e Industrial of Temuco, Chile, 1902-12; princ. Marinette Co. Agr. Sch., Marinette, Wis., 1912-6; ext. rep. in an. husb., Univ. Wis., fieldman for Wis. Live-stock Breeders Assoc., 1916-. Organized coop. cattle buying and buying of seed grains and potatoes for Marinette Co. farmers. Traveled in Europe and S. Amer. Collected birds and mammals for British Museum and Amer. Museum Nat. History.—*b.* Elba, Mich., Nov. 25, 1878; *s.* Carlos A. and Nellie E. (Litle) B.; reared on farm; *m.* Katrina J. Kelly, Mar. 1, 1906. B.S., Mich. Agr. Coll., 1902; M.Agr., 1911.

Bunch, Leland, co. agrl. agt., Batesville, Ark.

Supt. schs., Livermore, Ky., 1910-3; princ. Grammar Sch., Paducah, Ky., 1913-5; instr. agr., Geo. Peabody Coll., 1916; present position 1917-.—*b.* Franklin, Ky., Nov. 25, 1881; *s.* Baxter M. and Amanda (Roark) B.; reared on farm; *m.* Pearl Nave, Apr. 20, 1916. B.S., Geo. Peabody Coll., 1916.

Bunch, Mamie, in chg. home econ. ext., Univ. Ill., Urbana, Ill.

Co. supt. schs., Douglas Co., Ill., 1894-8; ext. lect., Univ. Ill., 1912-3; in chg. home econ. ext., 1914—; state leader in home econ. dem. for Ill. Sec. ext. div., Amer. Home Econ. Assoc. Studied home life in S. Africa and Australia, 1909-12.—*b.* Ford Co., Ill., Jan. 10, 1871; *d.* Thaddeus Morehouse and Elizabeth (Edmiston) B.; reared on farm and in town. A.B., Univ. Ill.

Buntin, Charles Erwin, farmer, Hermitage, Tenn.

b. Robertson Co., Tenn., Apr. 7, 1880; *s.* W. A. and Jennie C. B.; reared in city; *m.* Jane Berry, July 31, 1907; *c.* Chas. Jr., Rachel, Horatio, Wm. Student, Univ. of the South, Swanee, Tenn. Phi Delta Theta. Traveled in Europe.

Burbank, Luther, naturalist, originator new grains, fruits, flowers, etc., Santa Rosa, Calif.

Special lect. on evolution, Leland Stanford Univ., 1900-5. Originator of numerous new forms of plant life; has under way 5000 experiments on some 6000 species. Fellow A. A. A. S.; hon. mem. Swedish Agrl. Soc.; Italian Agrl. Soc. *Auth.:* Training of the Human Plant, 1904; The Methods and Discoveries of Luther Burbank, 1914.—*b.* Lancaster, Mass., Mar. 7, 1849; *s.* Samuel Walton and Olive (Ross) B.; reared on farm; *m.* Elizabeth Waters, Dec. 21, 1917. Sc.D., Tufts Coll., 1905.

Burchard, Paul Charles, ed. Hoard's Dairyman, Ft. Atkinson, Wis.

Sec. Wis. Dairymens Assoc., 1915-. Asst. postmaster, 1900-13. (Dairy farming).—*b.* Ft. Atkinson, Wis., Sept. 8, 1876; *s.* Geo. W. and Lucinda E. (Charles) B.; reared in country; *m.* Elizabeth Janet Hunter, Mar. 5, 1901; *c.* Mary Janet, Elizabeth Lucinda. B.A., Beloit Coll., 1900. Phi Kappa Psi.

Burckhalter, George Clayborn, co. agrl. agt., Wheatland, Wyo.

Formerly co. agrl. agt., Sterling, Colo.—*b.* Lewis, Ia., May 28, 1888; *s.* John and Sabinah (Roberts) B.; reared on farm. B.S.A., Colo. Agr. Coll., 1916. Sigma Delta.

Burdette, John Purdum, co. agrl. agt., La Platta, Md.

Princ. public schs., Georgetown, Del., 1897-8; vice-princ. Wilmington Conference Acad., Dover, 1898-9; princ. public schs., Smyrna, 1900-9; princ. Anne Arundel Acad., Millersville, Md., 1909-17; agt. Charles Co., Md., 1917-. Pres. Md. Crops Improvement Assoc. —*b.* Browningsville, Md., Oct. 20, 1868; *s.* Robt. E. and Eveline W. (Purdom) B.; reared on farm; *m.* Emma Jones, Dec. 29, 1898; *c.* Dorothy May, John Warren, Eunice Eveline, Wm. Morgan, Anne Arundel. A.B., Dickinson Coll., 1897. Phi Kappa Sigma.

Burdick, Raymond Terry, asst. prof. agron., Univ. Vt., Burlington, Vt.
Instr. agron., Univ. Vt., 1912-4; asst. prof., 1914-.—*b.* Lima, N. Y., May 5, 1889; *s.* John Alfred and Emma (Terry) B.; reared on farm; *m.* Lina Odell, Aug. 14, 1913. B.S., Cornell Univ., 1912.

Burgess, Albert Franklin, asst. ent. in chg. moth work, U. S. Bur. Ent., Melrose Highlands, Mass.
Asst. ent., Mass. Bd. Agr., 1895-9; asst. ent., Univ. Ill., 1899-1900; asst. insp. nurseries and orchards, Ohio Exp. Sta., 1900-2; chief insp., Ohio State Bd. Agr., 1902-7; present position, 1907-. Sec. Amer. Assoc. Econ. Ent. Fellow A. A. A. S.; Ent. Soc. Amer. Business manag., Journal of Economic Entomology.—*b.* Rockland, Mass., Oct. 2, 1873; *s.* Emory and Mary A. (Lewis) B.; reared in small town: *m.* Mary E. Dwight, June 20, 1904; *c.* Emory D., Albert F. Jr. B.S., Mass Agr. Coll., 1895; M.S., 1897. Phi Sigma Kappa.

Burgess, Charles H., prof. poultry husb., Mich. Agr. Coll., E. Lansing, Mich.
Public sch. teach. Sec. Mich. Poultry Assoc. Farmer.—*b.* Flint, Mich., Jan. 12, 1865; *s.* Simeon and Chloe B.; reared on farm; *m.* Miriam Butler, June 29, 1897. Grad. Mich. State Normal Coll.

Burgess, Junius M., dir. Canebrake Exp. Sta., Uniontown, Ala.
Farmer till 1905; assoc. prof. dairying, Clemson Agr. Coll., 1905-18; present position, 1918-. (Dairy cattle, forage crops).—*b.* Summerton, S. C., Apr. 24, 1881; *s.* Thos. L. and Francis A. (Mayes) B.; reared in small town; *m.* Julia H. Mitchell, July 6, 1911; *c.* Anne Louise, Catherine. B.S., Clemson Agr. Coll., 1902.

Burk, Lloyd Byron, invest. in marketing live-stock and meats, Bur. Markets, U. S. Dept. Agr., Washington, D. C.
Instr. an. husb., Univ. Mo., 1912-3; asst. prof., 1913-4; assoc. prof., 1914-5; in chg. swine invest., Tex. A. & M. Coll., 1915-8; present position, 1918-. —*b.* Butler, Mo., June 30, 1883; *s.* Monroe and Nannie (Belle) B.; reared on farm; *m.* Ximenia Y. Z. Harper, June 12, 1911; *c.* Phila Belle, Lloyd Byron Jr. B.S.A., Univ. Mo., 1911.

Burke, Harry Eugene, specialist in for. ent., Bur. Ent., U. S. Dept. Agr., Los Gatos, Calif.
Farming, lumbering, Kent, Wash., 5 yrs.; U. S. Bur. Ent., 1902-. (Flathead borers, Buprestidae).—*b.* Paradise Valley, Nev., May 19, 1878; *s.* Harry Daniel and Sarah Eugenia (Jones) B.; reared on farm and in town; *m.* Marion J. Armstrong, 1907; *c.* Marion R., Mabel C., Dorothy E., Harry E., Janet M. B.S., Wash. State Coll., 1902; M.S., 1908.

Burkett, Charles William, ed. American Agriculturist, 315 Fourth Ave., New York, N. Y.
Asst. agr., Ohio State Univ., 1895-8; prof. agr. and agrst. Exp. Sta., N. H. A. & M. Coll., 1898-1901; N. C. A. & M. Coll., 1901-6; dir. Kans. Exp. Sta., 1905-8; ed. American Agriculturist and book ed. Orange Judd Co., 1908-. Del. by Kans. to conduct cereal invest. in Turkey and Russia, 1907. Ed. and founder, The Agricultural Student. Mem. Council on Agrl. Educ., N. Y. Dept. Educ. *Auth.:* A History of Ohio Agriculture, 1899; Agriculture for Beginners, 1903; Cotton, 1906; Soils, 1907; Farm Stock, 1909; Farm Crops, 1910; Farmers' Veterinarian, 1911; First Principles of Feeding Farm Animals, 1914; Soils and Crops (joint author), 1915; Farm Animals (joint author), 1916; Between Two Lives, 1917.—*b.* Thornville, O., Jan. 3, 1873; *s.* Joseph Walker and Anna (Klingler) B.; reared on farm; *m.* Laura Weisman, Dec. 27, 1900; *c.* Dorothy Louise, Chas. Wm. Jr. B.Sc., Ohio State Univ., 1895; M.Sc., 1898; Ph.D., Lima Coll., 1900. Kappa Sigma; Alpha Zeta.

Burkholder, Cecil Leland, assoc. hort. ext., Purdue Univ., W. LaFayette, Ind.
Orchardist, Mich., Pa., 1 yr.; ext. hort., O., 1 yr.; present position, 1917-. —*b.* Clyde, O., June 14, 1891; *s.* Hiram and Laura B.; reared on farm; *m.* Alyce Johnson, Jan. 18, 1920. B.S., Ohio State Univ., 1915. Delta Theta Sigma.

Burleigh, Margaret Lord, home dem. agt., Ft. Myers, Fla.
b. S. Berwick, Me., Oct. 21, 1886; *d.* Edward Stark and Annie Austin (Burleigh) B.; reared in town. B.S., Rollins Coll., 1908.

Burlingham, Charles Lloyd, assoc. ed., Hoard's Dairyman, Ft. Atkinson, Wis.

Dairy ext., Neb., U. S. Dairy Div., 1915; chg. dairy ext. in middle states, 1916. Second class seaman, U. S. Navy. —*b.* Linn Co., Ia., Mar. 3, 1892; *s.* Chas. and Florence (Isham) B.; reared on farm; *m.* Mary E. Vaughn, June 21, 1917; *c.* Elizabeth V. B.S.A., Ia. State Coll., 1913; M.A., Univ. Mo., 1914. Gamma Sigma Delta; Delta Sigma Rho.

Burlison, William Leonidas, assoc. prof. crop production and head agron. dept., Univ. Ill., Urbana, Ill.

Asst. agron., Okla. Exp. Sta., 1906-8; asst. prof. agron., Okla. A. & M. Coll., 1908-10; assoc. ed. Northwest Farmstead, Orange Judd, 1910-2; assoc. crop production, Univ. Ill., 1912-5; assoc. prof., 1915–; head agron. dept., 1920–. —*b.* Harrison, Ark., Sept. 3, 1882; *s.* Wm. Washington and Amanda Ercilla (Pettit) B.; reared on farm; *m.* Flossy Belle Lewis, May 19, 1909; *c.* Lewis Eugene, Ruth Helen. B.S., Okla. A. & M. Coll., 1905; M.S., Univ. Ill., 1908; Ph.D., 1915. Alpha Zeta; Pi Delta Epsilon.

Burmeister, Charles Alexander, asst. in market information, Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Asst. manag. ranch, McMullen Co., Tex., 1908-10; instr. agr. and sci., high-sch., Brownwood, Tex., 1910-1; asst. dry land agr., Bur. Plant Ind., 1911-5; asst. in marketing by parcel post, Bur. Markets, 1915-6; asst. in marketing live-stock and meats, 1916-20; present position, 1920–.—*b.* Tilden, Tex., Nov. 29, 1887; *s.* Frank H. and Sallie J. (Russell) B.; reared on farm; *m.* Josephine M. Tomlin, June 16, 1915. B.S., Tex. A. & M. Coll., 1908.

Burnett, Edgar Albert, dean Coll. Agr., dir. Exp. Sta., Univ. Neb., Lincoln, Neb.

Instr., Mich. Agr. Coll., 1889-93; prof. agr., S. D. Agr. Coll., 1896-9; prof. an. husb., Univ. Neb., 1899-1915. Chm. Sta. Sect., Assoc. Amer. Agr. Colls. and Exp. Stas. Former pres., Amer. Assoc. Farmers Inst. Workers. Mem. Educ. Corps, A. E. F.—*b.* Livingston Co., Mich., Oct. 17, 1865; *s.* Ellsworth S. and Mary Eliza (Crane) B.; reared on farm; *m.* Nellie E. Folsom, 1899; *c.* Knox Folsom. B.S., Mich. Agr. Coll., 1887; D.Sc., 1917.

Burnett, Lyman Crane, chief in cereal breeding, Ia. Exp. Sta., Ames, Ia.

Asst., Ia. Exp. Sta., 1906-15; chief cereal breeding, 1916–.—*b.* Bancroft, Mich., Mar. 15, 1881; *s.* Ellsworth Solon and Eliza (Crane) B.; reared on farm; *m.* Pearl Hensel, Jan. 14, 1908; *c.* Kenneth Hensel, Dorothy, Barbara. B.S., Univ. Neb., 1903; M.S.A., Ia. State Coll., 1906. Phi Kappa Phi; Alpha Zeta.

Burnham, Ernest, dir. dept. rural educ., W. Mich. Normal Sch., Kalamazoo, Mich.

Co. comnr. schs., Calhoun Co., Mich., 1899-1904; present position, 1904–. Fellow A. A. A. S. *Auth.:* Rural School Efficiency in Kalamazoo County, 1909; Two Types of Rural Schools, 1912; Rural Teacher Preparation in State Normal Schools, 1918. *Ed.*, Albion Recorder 1896-9.—*b.* Climax, Mich., Oct. 15, 1869; *s.* Orsemus and Margaret (Smith) B.; reared on farm; *m.* Grace E. Armstrong, June 22, 1899. Ph.B., Albion Coll., 1896; A.M., 1902; Ph.D., Columbia Univ., 1912. Sigma Chi; Phi Delta Kappa.

Burns, Clarence Albert, asst. prof. dairying, Okla. A. & M. Coll., Stillwater, Okla.

Sec.-treas. Okla. State Dairy Assoc., 1915-20.—*b.* Joplin, Mo., Jan. 28, 1888; *s.* Wesley and Jennie Martha (Hall) B.; reared on farm; *m.* Ellen Elmo Evans, Aug. 24, 1915; *c.* John Wm. B.S.A., Univ. Mo., 1914. Sigma Theta Rho.

Burns, William Hunter, agrst., sugar plant invests., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Chief agrst., The Continental Sugar Co., 1905-9; manag., 1908-10; consulting agrst., Holly Sugar Co., 1910-2; distr. superv., Better Farming Assoc., N. D., 1912-4; present position, 1914–. Farmer, 1894-1904. (Sugar-beet seed production).—*b.* Erie, Mich., July 27, 1865; *s.* Cornelius and Mary (Neal) B.; reared on farm; *m.* Augusta Lewis Taylor, 1890; *c.* Margaret, Katherine, Wm. H. Jr., Elizabeth, Rosamond. B.S., Mich. Agr. Coll., 1889.

Burr, Charles G., state boys' club agt., Va. Poly. Inst., Blacksburg, Va.

Princ. high-sch., Cardwell, Va., 1908-10; Emporia, 1910-3; instr. agrl. educ., Farmville State Normal and agt. Prince Edward Co., 1913-6; present position, 1917–. Vice-pres. Va. State Teach. Assoc., 1909-10.—*b.* Goodland, Ind., July 31, 1884; *s.* E. R. and Sarah Jane (Vorheis) B.; reared on farm; *m.* Mary Ellen Powell, June 5, 1913; *c.* Chas. G., Sue Maclin. B.A., Va. Christian Coll., 1908.

Burr, Walter, dir. rural serv. dept., Kans. State Agr. Coll., Manhattan, Kans.

Asst. dir. rural serv. dept., Kans. State Agr. Coll., 1914-5; dir., 1915–; asst. state dem. agt. leader, 1917–.—*b.* Plymouth, Ill., Aug. 3, 1877; *s.* Horace M. and Sarah (Shuck) B.; reared in town; *m.* Buena Hall, Jan. 1, 1905; *c.* John, Frank, Mary, Martha. A.B., Knox Coll.

Burr, William Wesley, prof. agron. and head dept., Univ. Neb., Lincoln, Neb.

Dry land work, U. S. Dept. Agr., 1906-16; present position, 1916–. Fellow A. A. A. S.—*b.* Goodland, Ind., Mar. 26, 1880; *s.* Elliot R. and Sarah Jane (Vorheis) B.; reared on farm; *m.* Aurelia M. Scott, Jan. 1, 1919. B.S.A., Univ. Neb., 1906. Sigma Xi; Alpha Zeta.

Burritt, Maurice Chase, ext. prof., vice dir. ext., Cornell Univ., Ithaca, N. Y.

Sci. asst., Off. Farm Manag., U. S. Dept. Agr., 1908-11; ed. N. Y. Tribune Farmer, 1911-3; state leader co. agrl. agts., 1914-6; present position, 1917–. Farming, 1902-5. *Auth.:* Apple Growing, 1912.—*b.* Hilton, N. Y., Feb. 4, 1883; *s.* Stephen D. and Anna (Chase) B.; reared on farm; *m.* Estella May Buell, Aug. 9, 1911; *c.* Helen Rosamond, Stephen Gilbert. B.S.A., Cornell Univ., 1908; M.S.A., 1910. Sigma Phi Sigma.

Burrows, Mark, prof. rural educ., Kirksville Normal Sch., Kirksville, Mo.

Teach. rural schs., 5 yrs.; teach. village and city schs., 18 yrs.; teach. normal schs., 10 yrs. Collaborator for Farm Arithmetic and Farm Accounts, 1917. *Ed.*, Rural School Messenger.—*b.* Andrew Co., Mo., Nov. 16, 1868; *s.* Edward D. and Susannah Adams (Clendenin) B.; reared on farm; *m.* Dollie Adams, Aug. 28, 1895; *c.* Iphigenia, Gwynne, Winifred. B.S., Stanberry Normal Sch., 1892; A.B., Kirksville Normal Sch., 1912.

Burson, William Mills, prof. vet. med., Univ. Ga., Athens, Ga.

Instr., Cincinnati Vet. Coll., 1907-10; present position, 1910–. Pres. Ga. State Vet. Assoc., 1913; resident sec. for Ga., Amer. Vet. Med. Assoc., 1913–. Leader vet. ext. work in Ga. 1st Lieut. 8th Ohio Vol. Inf., Spanish War.—*b.* Augusta, O., May 24, 1874; *s.* Wm. and Susan C. (Mills) B.; reared on farm; *m.* Mary A. Sieber, June 15, 1897; *c.* Susan M., Mildred M. D.V.M., Cincinnati Vet. Coll., 1907.

Burt, George James, sci. asst., Off. Corn Invest., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Commercial rose growing, Erie, Pa., 1912-3.—*b.* Elmira, N. Y., 1887; *s.* Geo. and Annie H. (Veazie) B.; reared in town and on farm; *m.* Sarah Haugh, Jan. 15, 1917. B.S.A., Cornell Univ., 1911.

Burton, Austin Marshall, co. agrl. agt., Concord, Calif.

Chief, Plant Ind. Div., Philippine Bur. Agr., 7 yrs.; farmer, Calif., 3 yrs. Supervised purchase of rice in Saigon, Indo-China, for U. S. Navy, 1917. Formerly assoc. ed., Philippine Agricultural Review and Philippine Farmer. (Trop. agr., rice culture).—*b.* Stockton, Calif., June 27, 1886; *s.* Frank and Carrie E. (Parsons) B.; reared in town; *m.* Luella J. Clark, Aug. 14, 1919. B.S., Univ. Calif., 1909. Alpha Zeta.

Burton, Myron Garfield, dir. home-study serv., Kans. State Agr. Coll., Manhattan, Kans.

Supt. White River high-sch., 1902-8; supt. Plano, Ill., city sch., 1908-11; ed. in chief, Nat. Manual Training Corporation, 1911-5; dir. ext., Muncie Normal Coll., 1913-5; present position, 1915–. Dir. poster campaign, U. S. Food Comn. *Auth.:* Shop Projects based on Community Problems, 1915; School Sewing Based on Home Problems, 1916.—*b.* Hamilton Co., Ind., Sept. 13, 1880; *s.* A. M. and Martha (Ramsey) B.; reared

in small village; *m.* Frieda Sherrick, 1901; *c.* Erme June, Basil, Rowena, Victor. A.B., Ind. Univ., 1915; M.S., Kans. State Agr. Coll., 1918.

Burton, Robert Emil, instr. agr., high-sch., Santa Cruz, Calif.
Co. club leader, Fresno, Calif., 1918-9; present position, 1915-8, 1919–. Pres. Santa Cruz Poultry Assoc., 1916-8.—*b.* Hoboken, N. J., Jan. 22, 1888; *m.* Lucy M. Atkinson, June, 1916; *c.* Ruth Caroline. B.S., Univ. Calif., 1915. Alpha Zeta; Alpha Kappa Lambda.

Bush, George Wendell, co. agrl. agt., Utica, N. Y.
General farmer, 1906-12; manag. Arden Farms Dairy Co., 1906-12; agt. Oneida Co., N. Y., 1912-5, 1918–; state leader co. agts., Ohio State Univ., 1915-6. *Ed.*, Dairymen's League News, 1917-8.—*b.* Nanticoke, N. Y., Nov. 17, 1880; *s.* Marcene and Mary (Hoard) B.; reared on farm; *m.* Meta Elizabeth Smith, Aug. 23, 1911; *c.* David Hoard. B.S.A., Cornell Univ., 1905. Alpha Zeta.

Bushey, Alfred Leland, asst. prof. agron., S. D. State Coll., Brookings, S. D.
Instr. agron., Purdue Univ., 1914-8; agrl. agt., Ansard Co., S. D., 1918-20; present position, 1920–. (Agrl. chem.). —*b.* De Smet, S. D., Aug. 29, 1889; *s.* R. L. and Anne M. (Leland) B.; reared on farm; *m.* Grace Mallis, 1917. B.S., S. D. State Coll., 1914; M.S.A., Purdue Univ., 1916.

Bushnell, Leland David, prof. bact., Kans. State Agr. Coll., Manhattan, Kans.
Asst. bact., Mich. Agr. Coll., 1905-7; dairy bact., Dairy Div., Bur. An. Ind., U. S. Dept. Agr., 1907-8; asst. bact., Kans. State Agr. Coll., 1908-9; instr., 1909-10; asst. prof., 1910-2; prof., 1912–.—*b.* Bronson, Mich., Oct. 19, 1880; *s.* Wm. B. and S. Maria (Taggart) B.; reared on farm; *m.* Florence Warner. B.S., Mich. Agr. Coll., 1905; M.S., Univ. Kans., 1915; Geo. Cheyne Shattock Memorial Fellow, Harvard Univ., 1915-6. Alpha Zeta; Phi Kappa Phi; Sigma Gamma Delta.

Bussell, Frank Pores, asst. prof. plant-breeding, Cornell Univ., Ithaca, N. Y.
Teach., high-sch., Geneva, N. Y., 1901-3; St. Paul, Minn., 1905-6; Alameda, Calif., 1907-8; farmer and seed-grower, Ill., 1908-14; instr. plant-breeding, Cornell Univ., 1915–. (Barley breeding).—*b.* Abilene, Kans., Sept. 3, 1878; *s.* Benj. and Emma L. (Hamlin) B.; reared in city and on farm; *m.* Grace M. Eaton, Sept. 4, 1912. A.B., Colgate Univ., 1901; Ph.D., Cornell Univ., 1919. Phi Beta Kappa; Sigma Xi; Delta Kappa Epsilon.

Butler, Bion H., writer and farmer, Southern Pines, N. C.
Manag. Bradford, Pa., Era, 3 yrs.; editorial writer and traveling rep., Pittsburg Times, 10 yrs.; special writer, Raleigh, N. C., News and Observer. Investigated Armenian massacres in Turkey and oil fields of Russian Caspian country, 1896, as rep. Pittsburg Times. *Auth.:* The Church on Quintuple Mountain, 1912.—*b.* Brookville, Pa., June 28, 1857; *s.* Cyrus and Elizabeth (Huhn) B.; reared in country and city; *m.* Anna E. Schwem, June 8, 1892; *c.* Howard N., Helen K., Cyrus O.

Butler, Burridge Davenal, pub. Prairie Farmer, Waverly Rd., Highland Park, Ill.
Trustee Blackburn Coll. Fed. state dir., U. S. Boys' Working Reserve. Pres. Minneapolis Daily News, 1903-9; vice-pres. Omaha Daily News, 1899-1909; pres. Agrl. Publishers Assoc., 1914-5. Traveled in Europe. Farmer, Wheaton, Ill.—*b.* Louisville, Ky., Feb. 5, 1868; *s.* Thos. D. and Marie (Radcliffe) B.; reared in city; *m.* Winnie Whitfield, Dec. 22, 1890; 2d, Ina Hamilton Busey, Aug. 30, 1906.

Butler, Tait, agrl. ed., Memphis, Tenn.
Prof. vet. med. and physiology, Miss. A. & M. Coll., 1891-6; prof. vet. sci. and bact. and state vet., Kans. State Agr. Coll., 1900-1; prof. vet. sci. and state vet., N. C. A. & M. Coll., 1901-5; dir. N. C. farmers insts., 1903-8. Pres. Amer. Vet. Med. Assoc., 1900-1; pres. Assoc. Amer. Farmers Inst. Workers. *Joint auth.:* Stevens and Butler, Practical Arithmetic. *Ed.*, Southern Farm Gazette, 1895-8, 1909-10; central ed., Progressive Farmer, 1910–. (An. husb.). —*b.* Hastings Co., Ont., July 24, 1862 (naturalized 1898); *s.* Jas. W. and Arvilla (Sine) B.; reared on farm; *m.* Dell Billington Bell, Aug. 8, 1893; *c.* Eugene, Seta. V.S., Ont. Vet. Coll.

Butterfield, Kenyon Leech, pres. Mass. Agr. Coll. and head div. rural social sci., Amherst, Mass.

Ed. Mich. Grange Visitor, 1892-5, and grange dept. Michigan Farmer, 1895-1903; supt. Mich. farmers inst., 1895-9; field agt., Mich. Agr. Coll., 1896-9; instr. rural sociol., Univ. Mich., 1902-3; pres. R. I. State Coll., 1903-6; present position, 1906–. Mem. Roosevelt Country Life Comn.; U. S. Comn. on Rural Credit; mem. Educ. Corps Comn., A. E. F.; del. First White House conference of Governors; pres Mass. Fed. Rural Progress; pres. Assoc. Amer. Agrl. Colls. and Exp. Stas., 1917; pres. Amer. Country Life Assoc.; Officer of Agr. Excellence and Officer of Public Instruction, Republic of France. *Auth.:* Chapters in Rural Progress, 1908; The Country Church and The Rural Problem, 1910; The Farmer and the New Day, 1919.—*b.* Lapeer, Mich., June 11, 1868; *s.* I. H. and Olive F. (Davison) B.; reared on farm; *m.* Harriet E. Millard, Nov. 28, 1895; *c.* Howard Millard, Victor Lloyd. B.S., Mich. Agr. Coll., 1891; A.M., Univ. Mich., 1902; LL.D., Amherst Coll., 1910.

Button, Harry Freeman, head dept. crops and soils, N. Y. State Sch. Agr., Farmingdale, N. Y.

Teach. agr., Waterford Acad., Pa., 1907-8; dir. 8th Distr. Agrl. High-Sch., Manassas, Va., 1908-13; prof. agr., Vincennes Univ., Ind., 1913-5; present position, 1915–; ext. lect., Brooklyn Acad. Arts and Sci., 1917-8.—*b.* Canastota, N. Y., Aug. 17, 1879; *s.* Romaine D. and Emma A. (Freeman) B.; reared on farm; *m.* Bessie Markham McCartney, May 21, 1904; *c.* Gertrude, Dorothy, Burr, Romaine. B.S.A., Cornell Univ., 1906.

Byars, Luther Parris, plant path., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Ext. path., S. C. Exp. Sta., 1910-1; asst. bot., Univ. Wis., 1911-3; present position, 1914–. Fellow A. A. A. S. (Nematode or eelworm diseases of plants). —*b.* Forest City, N. C., Sept. 25, 1887; *s.* Edward Harrison and Nannie (Parris) B.; reared in town and country. B.S., Clemson Agr. Coll., 1909; M.S., Univ. Wis., 1913; Ph.D., 1919. Sigma Xi.

Byers, William Claude, agrl. agt., N. Y. Central Lines, 639 LaSalle St. Station, Chicago, Ill.

Sci., Bur. Soils, U. S. Dept. Agr., 1909-13; present position, 1913–. (Soils, agrl. econ.).—*b.* Westmoreland Co., Pa., Nov. 21, 1886; *s.* Wm. L. and Charlotte (Chambers) B.; reared on farm and in town. Student Washington and Jefferson Coll.; B.S., Penn. State Coll., 1909; M.S., 1912. Phi Kappa Psi; Alpha Zeta.

Byrne, William Hale, co. agrl. agt., Appomattox, Va.

Manag. stock farm, Staunton, Va., 2 yrs.; supt. Boys' Ind. Home, Covington, Va., 6 mos. 1st Lieut Inf., U. S. Army, 1917-8; present position, 1918 . —*b.* Fairfax Co., Va., May 14, 1892; *s.* Henry Milton and Kate (Hale) B.; reared on farm; *m.* Kathleen Carlton Owen, Dec. 11, 1917; *c.* Wm. Hale Jr. B.S.A., Va. Poly Inst., 1915.

C

Cady, LeRoy, assoc. prof. hort., Univ. Minn., University Farm, St. Paul, Minn.

Instr. hort., Univ. Minn., 1906-10; asst. prof., 1910-1; assoc. prof., 1911–. Mem. exec. bd., Minn. State Hort. Soc.; sec. Minn. State Florists Assoc. Florist and gardener at state public sch., Owatonna, 1900-3; chg. greenhouse and campus, Dept. Agr., Univ. Minn., 1903–. —*b.* Buffalo, Minn., Jan. 9, 1879; *s.* Geo. L. and Agnes P. (Mann) C.; reared on farm and in small town; *m.* Fannie M. Davies, June 3, 1908. B.S.A., Univ. Minn., 1907. Alpha Zeta.

Caesar, Lawson, provincial ent. and assoc. prof. ent., Ont. Agr. Coll., Guelph, Ont.

Teach. classics and hist., high-sch., Kemptville, Ont., 3 yrs.; Port Hope, 5 yrs. Pres. Ent. Soc. Ont., 1918-9. Fellow Ent. Soc. Amer.—*b.* Peel Co., Ont.; reared on farm; *m.* Mary E. Manson. B.A , B.S.A., Univ. Toronto.

Caffrey, Donald John, sci. asst., U. S. Bur. Ent., 10 Court St., Arlington, Mass.

In chg. gypsy and brown-tail moth work in Conn., 1910-3; New Mexico

range caterpillar, alfalfa-seed chalcid in N. Mex. and Ariz., U. S. Bur. Ent., 1913-7; chg. wireworm invests, Hagerstown, Md., 1917-8; chg. European corn-borer invest., 1918–.—*b.* Brooklyn, N. Y., Nov. 17, 1886; *s.* John F. and Mary A. (Treacy) C.; reared on farm; *m.* Lois Relief Hersey, Mar. 23, 1918. B.Sc., Mass. Agr. Coll., 1909.

Caine, George B., assoc. prof. dairying in chg. dept., Utah Agr. Coll., Logan, Utah.

Sec.-treas. State Dairymens Assoc. —*b.* Logan, Utah, Sept. 16, 1889; *s.* John T. Jr. and Katinka (Balliff) C.; reared on farm and in small city; *m.* Marie Eccles; *c.* one. B.S.A., Utah Agr. Coll., 1912; M.A., Univ. Mo., 1914. Alpha Zeta; Phi Kappa Iota; Gamma Sigma Delta.

Caine, John Thomas III, prof. an. husb., dir. ext. div., Utah Agr. Coll., Logan, Utah.

Asst. prof. an. husb., Utah Agr. Coll.. 1906-8; prof., 1908–; chg. ext. work in an. husb. in western states, Bur. An. Ind. and States Relations Serv., Dept. Agr., 1918-9. Mem. State Bd. Horse Comnrs., 1909-12; dir. live-stock, Utah Expos. Comn., Panama-Pacific; vice-pres. Utah Live-stock Breeders Assoc. Asst. dir. institute work, Utah, 1913–. Spent 4 months in live-stock study in Europe. —*b.* Logan, Utah, June 4, 1882; *s.* John T. Jr., and Katinka (Balliff) C.; reared in town and on farm; *m.* Jean Crookston, July 10, 1912; *c.* Margaret Jean, John Thomas. B.S., Utah Agr. Coll., 1903; M.S.A., Ia., State Coll., 1905.

Caldwell, Clinton Coppage, co. agrl. agt., Ripley, W. Va.

Princ. high-sch., N. C. and S. C., 1906-8; prof. agr. and school gard., Radford State Normal, Va., 1909-11; clerk, U. S. Dept. Agr., 1911-2; supt. schs., Pochahontas, Va., 1914-7; asst. statistician, Bur. Railway Econ., Washington, 1915. (Agrl. econ. and educ.).—*b.* Craig Co., Va., June 6, 1884; *s.* O. F. W. C. and Sallie (Albert) C.; reared on farm; *m.* Helen Hubbert, Sept. 2, 1917. A.B., Roanoke Coll., 1905; A.M., Johns Hopkins Univ., 1914.

Caldwell, Joseph Stuart, in chg. fruit and veg. utilization lab., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Prof. biol., Peabody Coll., Nashville, Tenn., 1904-11; research asst., Desert Lab., Tucson, Ariz., June-Nov., 1911; prof. bot. and plant physiologist Exp. Sta., Ala. Poly. Inst., 1912-6; plant physiologist, Wash. Exp. Sta., 1916-7; present position, 1917–. *Auth.:* (with J. W. Ritchie) Primer of Hygiene, 1908; New Primer of Hygiene, 1920. (Phytochem., manufacture of fruit and veg. products).—*b.* Knoxville, Tenn., Oct. 31, 1878; *s.* Andrew and Lemira J. (Crawford) C.; reared on farm; *m.* Cora Ethel McCulloch, Sept. 2, 1905; *c.* Stuart Andrew. A.B., Maryville Coll., 1902 A.M., Univ. Chicago, 1904; Ph.D., 1914. Sigma Xi; Phi Kappa Phi.

Caldwell, Ralph Elmer, dir. research and educ. dept., Blatchford Calf Meal Co., Waukegan, Ill.

Asst. an. husb., Ohio Exp. Sta., 1909-10; asst. dairy husb., 1910-11; assoc. milk production, Ind. Exp. Sta., 1911; asst. milk production, Purdue Univ., 1911-4; asst. prof., 1914-6; assoc. prof., 1916-7; prof. dairying and acting chief dept. dairy husb., 1917-8.—*b.* Garnett, Kans., Aug. 20, 1885; *s.* Jackson Nichol and Elizabeth (Kirkpatrick) C.; reared on farm; *m.* Lovina Sarah Merick, Aug. 5, 1914. B.S.A., Kans. State Agr. Coll., 1908.

Calkins, Claude Clark, co. agrl. agt., Moro, Ore.

b. Elgin, Neb., July 15, 1890; *s.* Claude Stanton and Anna (Beecher) C.; reared on farm; *m.* Winnie Guyer, Nov. 27, 1913; *c.* Dwight Lisle. B.S., Ore. Agr. Coll., 1917. Alpha Zeta.

Call, Leland Everett, acting dean and prof. agron., Kans. State Agr. Coll., and acting dir. and agron., Exp. Sta., Manhattan, Kans.

Teaching fellow, Ohio State Univ., 1906-7; asst. agron., Kans. State Agr. Coll., 1907-8; asst. prof., 1908-11; assoc. prof., 1911-3; prof., 1913–. Superv. crop instr., Univ. of A. E. F., France, 1919. *Auth.:* (with Schafer) A Laboratory Manual in Agriculture, 1913; Agriculture for the Kansas Common Schools, 1914 (with Kent).—*b.* Darrowville, O., Feb. 9, 1881; *s.* Chas. A. and Olive

(Prior) C.; reared on farm; *m.* Clara Willis, 1910; *c.* Marjorie. B.S.A., Ohio State Univ., 1906; M.S.A., 1912. Sigma Xi; Alpha Zeta; Gamma Sigma Delta; Phi Kappa Phi.

Callahan, Ellery E., farmer, Ferenbaugh, N. Y.
Producer of dairy products, poultry, pigs and berries, Clover Hill Farm.—*b.* Lycoming Co., Pa., Nov., 1862; *s.* Oliver Perry and Matilda (Landrus) C.; reared on farm; *m.* Amelia R. Statts, Sept., 1887; *c.* Leon J., Erwin L., Laura M., Jannetta A., Anna B., Harold N., Clara L., Etta B.

Callander, William Forrest, field specialist, U. S. Bur. Crop Estimates, Garrett Park, Md.
Clerk Allis-Chalmers Co. and private sec. to Chief Bur. Plant Ind., 8 yrs.; private sec., asst. Sec. Agr., 1 yr.; private sec. to D. F. Houston, Sec. Agr., 2 yrs.; present position, 1917–. (Agrl. statistics).—*b.* N. Gower, Ont., June 14, 1880 (naturalized 1903); *s.* Alexander Stirling and Mary J. (Trimble) C.; reared on farm; *m.* Edith Wright, Dec. 9, 1903; *c.* Ronald C., Chas. S., Mary H. LL.B., Georgetown Univ., 1912; special student, Univ. Wis., 1915.

Callicote, William Riley, teacher and farmer, State House, Denver, Colo.
Teach. public schs., Ia., 10 yrs.; teach., Leadville, Colo., 4 yrs.; supt. city and country schs., Aspen, Colo., 4 yrs.; supt. moral and humane educ. for State Bd. Child and Animal Protection, Denver. Asst. sec. Nat. Humane Assoc.; pres. Farmers Union Mutual Protective Assoc.; nat. vice-pres. Farmers Union; Colo. state fish comnr. Mem. Nat. Bd. Farm Organizations. Served in Civil War. (Coop. farm organizations and farm legislation).—*b.* Franklin, Ind., July 12, 1847; *s.* John B. and Elender (Thomas) C.; reared on farm; *m.* Duly A. Aiken, Sept. 3, 1873; *c.* True A., Alta Pearl, Maude Ethel, Helen, Willard, Ellen, Elsie, Jesse D.

Calloway, Clinton Joseph, dir. ext. dept., Tuskegee Inst., Ala.
Special asst. to Geo. W. Carver, Tuskegee Inst., 1901-3; conference agt., 1903-4; rural sch. agt., 1904-7; dir. ext. dept., 1907–. *Ed.,* The Messenger, 5 yrs. (Rural educ.).—*b.* Cleveland, Tenn., Apr. 18, 1869; *s.* Geo. W. and Elizabeth (Grant) C. (col.); reared on farm and in town; *m.* Josephine S. Schooler, Mar., 12, 1901. A.B., Fisk Univ., Nashville, Tenn., 1895.

Calnan, T. X., co. agrl. agt., Valley City, N. D.
b. Manawa, Wis., Mar. 11, 1887; *s.* Thos. and Mary (Flanagan) C.; reared on farm; *m.* Clara Smith, Oct. 18, 1916; *c.* Mary. B.S., N. D. Agr. Coll., 1913. Alpha Zeta.

Calvert, William Cecil, co. agrl. agt., Kimball, Neb.
Instr. hort., Kans. State Agr. Coll., 1916-7; co. agrl. agt., Marshall Co., Kans., 1917-8.—*b.* Greeley, Kans., Aug. 16, 1892; *s.* Thos. and Mary (Updyke) C.; reared on farm; *m.* Esther Peck, June 25, 1917. B.S., Kans. State Agr. Coll., 1916.

Calvin, John Willard, prof. agrl. chem., Univ. Neb., Lincoln, Neb.
Asst. expert in an. nutr., U. S. Dept. Agr. and asst. an. nutr., Penn. State Coll., 1908-10; asst. chem., Kans. Exp. Sta., 1910-4; asst. prof. agrl. chem., Univ. Neb., 1914-9; prof. 1919–. 2d. and 1st Lieut., Q. M. C., U. S. Army, 1917-9. (An. nutr.).—*b.* Topeka, Kans., Mar. 24, 1887; *s.* John H. and Henrietta (Willard) C.; *m.* Lura A. Wharton, Dec. 31, 1910; *c.* Mary Blanche, John Henry. B.S., Kans. State Agr. Coll., 1906. Sigma Xi; Alpha Chi Sigma; Alpha Sigma Phi.

Camburn, Osman Myron, dir. Div. Dairying and An. Husb., Mass. Dept. Agr., State House, Boston, Mass.
With Dairy Div., U. S. Dept. Agr., 1915-7; Vt. Dept. Agr., 1918; dairy specialist, Univ. Vt., 1918-20; present position, 1920–.—*b.* Cedar Rapids, Ia., Mar. 17, 1885; *s.* Myron and Anna M. (Dorwart) C.; reared on farm; *m.* Ethel A. Robbins, May 1, 1916. B.S., Ia. State Coll., 1915. Gamma Sigma Delta.

Cammack, Francis Ray, field dairyman, Univ. Ida., State House, Boise, Ida.
With U. S. Dept. Agr., 1915-8. Farmer, Colo., Kans. and Ida. Sec. Ida.

State Dairymens Assoc.; sec. Ida. State Butter and Cheese Makers Assoc. —*b.* Independence, Kans., July 14, 1890; *s.* Francis Marion and Hannah Ann (Marine) C.; reared on farm; *m.* Muriel Shields, June 10, 1915; *c.* Dorothee H. B.S., Univ. Ida., 1915.

Camp, William Roswell, assoc. prof. rural institutions, Univ. Calif., Berkeley, Calif.

Asst. econ., Univ. Mo., 1911-2; prof. econ., Lombard Coll., Galesburg, Ill., 1912-3; prof. agrl. econ., N. C. A. & M. Coll., 1913-9; chief State Div. Markets and Rural Coop., state supt. Credit Unions, N. C. and field agt. marketing, U. S. Bur. Markets, to 1919. Chm. Marketing Com., Southern Conference for Educ. and Industry, 1916; sec. Nat. Assoc. of Marketing Officials, 1916-7; state del. to Third Nat. Conference on Marketing and Farm Credits, 1915-6; mem. exec. council, Nat. Assoc. for Agrl. Legislation. *Ed.*, Farmers' Market Bulletins.—*b.* Clarksville, O., June 18, 1873; *s.* Ransom H. and Rhoda (Hardy) C.; reared in country and small city. A.B., Stanford Univ., 1909; Ph.D., Univ. Mo., 1918.

Campbell, Clyde Burdette, co. agrl. agt., Little Falls, Minn.

Teach. agr., high-sch., Deer River, Minn., 1913-6; farmer, Park Rapids, 1916-8; co. agt., Park Rapids, Minn., 1918-9; Little Falls, 1919–.—*b.* Park Rapids, Minn., July 30, 1887; *s.* Frank J. and Minnie (Brink) C.; reared on farm; *m.* Annie Imogene Miller, Mar. 21, 1916; *c.* June, Harriet, Betty. B.S., Ia. State Coll., 1913.

Campbell, George R., dairy manufacturing specialist, U. S. Dept. Agr., Washington, D. C.

In private dairying business, 1912-8; present position, 1918–. (Creamery manag.).—*b.* Mo., Aug. 17, 1891; *s.* Fred B. and Isabelle (Rigg) C.; reared on farm. B.S.A., Kans. State Agr. Coll., 1916.

Campbell, Hardy W., farm adv., Southern Pacific Ry., San Francisco, Calif.

Farm adv., Chicago, Burlington and Quincy Ry., 20 yrs. *Auth.:* Campbell's Soil Culture Manual, 1902, rev. 1907; Campbell's Progressive Agriculture, 1916. *Ed.*, Western Soil Culture, 1895-9; Campbell's Scientific Farmer, 1906-12. —*b.* Montgomery Center, Vt., July 21, 1850; *s.* John and Mary M. (Hopkins) C.; reared on farm; *m.* Frances Farnsworth, Oct. 10, 1873; 2d, Annetta Wilkinson, Dec. 1, 1884; 3d, Elizabeth M. Turney, Dec. 12, 1902; *c.* Marian A., Willard H., Lottie M., Mattie A., Arthur W., Mary M., Faith A., Fern H.

Campbell, James Philander, dir. ext. serv., Univ. Ga., Athens, Ga.

Instr. sch. gardens, Practice Sch., Ga. State Normal, 1905-6; farm dem. and field agt., U. S. Dept. Agr., 1907-10; supt. rural sch. ext., Univ. Ga., 1910–. *Ed.*, Farmers' Union News, Agrl. Dept., 1907-10.—*b.* Paulding Co., Ga., Mar. 2, 1878; *s.* Daniel F. and Sarah Elizabeth (McBrayer) C.; reared on farm; *m.* Loraine Montez Proctor, Jan. 1, 1907; *c.* Frances Elizabeth, Virginia, Proctor, Montez. B.S.A., Univ. Ga., 1915.

Campbell, James Robert, head dept. educ., incl. rural educ., Southwestern State Normal Sch., Weatherford, Okla.

Supt. city schs., Newton, Kans., 1885-93; Fredonia, Kans., 1893-8; Guthrie, Okla., 1898-1903; pres. Southwestern State Normal, 1903-8; supt. city schs., Arapaho, Okla., 1908-15; Thomas, Okla., 1915-7; present position, 1917–. Mem. Territorial Bd. Educ., 5 yrs. Co. manag., food conservation. Speaker for League of Nations. Studied schs. in Europe and England.—*b.* Cambridge, O., Aug. 17, 1861; *s.* Robt. J. and Rachel Ann (Beatty) C.; reared in city and on farm; *m.* Ruth McMullen, Sept. 20, 1883; 2d, Mrs. Daisy W. Vestal, Aug. 21, 1899; *c.* Hattie M., Lillie B., Juanita, Walter Stanley. B.A., Antrim Coll., O., 1881; A.M., Univ. Okla., 1916; grad. work, Univ. Chicago. Kappa Delta Pi.

Campbell, John Charles, sec. Southern Highland Div., Russell Sage Foundation, Asheville, N. C.; 1867-May 2, 1919. See Rus 1918.

Campbell, John Joseph, rancher, Nelson, B. C.

Mem. B. C. Bd. of Hort.; mem. Royal Comn. on Agr., B. C. Pres. Willow Point Fruit Growers Assoc.—*b.* Baddeck, N. S., Aug. 9, 1859; *s.* Chas.

J. and Eliza (Ingraham) C.; reared in village; *m.* Eva De Lisle Greenwood, Mar. 19, 1883; *c.* Helen, Ian, Winnifred. Student Dalhousie Coll.

Campbell, John Roy, asst. supt. farmers insts. and leader ext. schs., Mont. State Coll., Bozeman, Mont.

Asst. bot., N. D. Agr. Coll., 1911-2; co. agrl. agt., N. D., 1913-4; co. agrl. agt., Mont., 1916-8; present position, 1918–. (Hort. and bot.).—*b.* Bloomington, Ill., Jan. 7, 1881; *s.* Wm. C. and Emma M. (Fielder) C.; reared in city and on farm; *m.* Clara Aust Bush, July 10, 1918; *c.* Harvey Fielder. B.S.A., Ia. State Coll., 1909; M.S., 1911. Alpha Zeta.

Campbell, Napoleon Bonaparte, dir. agr., high-sch., Marianna, Fla.

Asst. princ., West Farm public sch., 1915; asst. instr. agr., Univ. Fla., 1918. —*b.* Lee, Fla., Nov. 4, 1895; *s.* Cornelius and Nancy (Waller) C.; reared on farm; *m.* Adelaide Ruth Brom, June 28, 1918. B.S.A., Univ. Fla., 1919.

Campbell, Percy Anderson, dairy specialist, Conn. Agr. Coll., Storrs, Conn.

Instr., Univ. Me., 1905, 1906-7; prof. an. ind., 1907-13; manag. Balsam Stock Farm, Dixville Notch, N. H., 1913-8; gen. manag. Ayredale Stock Farm and Hillside Dairy, Bangor, Me., 1918-9; present position, 1919–.—*b.* Litchfield, N. H., Jan. 30, 1880; *s.* Matthew M. and Mary J. (Anderson) C.; reared on farm; *m.* Ada W. Mosher, Aug. 14, 1907; *c.* Robt. Mosher. B.S., N. H. Coll., 1904; M.S.A., Ia. State Coll., 1906. Kappa Sigma; Alpha Zeta; Phi Kappa Phi.

Campbell, Thomas Monroe, U. S. distr. agrl. agt., Tuskegee Inst., Ala.

b. Bowman, Ga., Feb. 11, 1883; *s.* Wm. and Susan (Thornton) C. (col.); reared on farm; *m.* Anna Marie Avers, June 1, 1911; *c.* Thos. M. Jr., Geo. Carver, Emily Virginia, Wm. Grad. Tuskegee Inst.

Campbell, Walter Jenkins, dir. co. work course, Intern. Y. M. C. A. Coll., Springfield, Mass.

Organizer and pastor Suffern Presbyterian Church, New York City, 1902-6; state sec. for co. work, N. Y., 1906-11; Pa., 1911-4; present position, 1914–. Mem. Church and Country Life Comn., Fed. Council of Churches of Christ in Amer.; chm. com. on leadership training of Amer. Country Life Assoc., 1918–; rural ext. sec. League to Enforce Peace, 1919. *Auth.:* Vital Problems in Rural Leadership, 1915. Reviewer of rural literature for Association Seminar and Rural Manhood. (Rural leadership training).—*b.* London, Ont., Aug. 20, 1876 (naturalized as minor); *s.* Archibald and Mary (Melville) C.; reared on farm; *m.* Anna C. Cramer, Sept. 4, 1907; *c.* Anna Jocelyn, Jean Currie, Elizabeth Mary. A.B., Princeton Univ., 1899; A.M., 1901; Princeton Theol. Sem., 1902.

Campbell, William Henry, farmer, State Farm, Lincoln, Neb.

Chm. educ. com., Nat. Farmers Union, 1916-8; mem. rural educ. com., Farmers Nat. Congress; sec. Nat. Rural Sch. Patrons.—*b.* Carter Co., Ky., July 21, 1862; *s.* J. A. and Elizabeth (Offill) C.; reared on farm; *m.* Lillian Hurd, Nov. 28, 1889; *c.* May J., Ellsworth, Harry C., Glenn A., Merton, Lawrence, Alice.

Campion, Thomas Howard, asst. state leader co. agts., Univ. Wis., Madison, Wis.

Country sch. teach., 1906-7; supt. graded schs., 1909-10; princ. high-sch., 1911-2; formerly dir. LaCrosse Co. Sch. Agr. and Dom. Econ., Onalaska, Wis.—*b.* Buffalo, Wis., July 9, 1887; *s.* Thos. O. and Josephine (Riley) C.; reared on farm; *m.* Hazel Madden, Aug. 19, 1914; *c.* 1 daughter. Univ. Wis., 1913. Alpha Sigma Phi.

Cance, Alexander Edmond, prof. agrl. econ., Mass. Agr. Coll., Amherst, Mass.

Prof. Greek and literature, Avalon Coll., 1897-9; princ. Ashville Ind. Sch., 1901-4; superv. practice, First Pa. State Normal Sch., 1904-5; fellow econ., Univ. Wis., 1906-8; instr. agrl. econ., Mass. Agr. Coll., 1908-10; asst. prof., 1910-2; assoc. prof., 1912-5; prof., 1915–. Mem. U. S. Comn. to study agrl. credit and coop. in Europe; del. Nat. Conference on Marketing and Farm Credits; special agt., Mass. Agrl. Development Com.; pres. Amer. Assoc. Agr. Econ., 1917. *Auth.:* Recent Im-

migrants in Agriculture, 1911 (2 vols. for U. S. Immigration Comn.); Farmers' Cooperative Exchange, 1914; Farmers' Cooperative Corporations, 1916; The Agricultural Industry and Resources of the United States, 1917, 3d ed.—*b.* Ettrick, Wis.; *s.* Alexander and Agnes (Edmond) C.; reared on farm. B.A., Macalester Coll., 1896; M.A., Univ. Wis., 1906; Ph.D., 1908. Phi Kappa Phi.

Cannon, Louis Babb, asst. prof. dairying, Clemson Agr. Coll., Clemson College, S. C.

Manag. Talladega Creamery, 1917; present position, 1919–. Capt. U. S. Infantry, served in France.—*b.* Laurence Co., S. C., Sept. 6, 1893; *s.* Oscar Fletcher and Martha Jane (Babb) C.; reared on farm. B.S., Clemson Agr. Coll., 1916.

Cantwell, James William, pres. Okla. A & M. Coll., Stillwater, Okla.

Princ. schs., Magnolia, Ark., 1894-1901; supt. schs., Texarkana, Ark., 1901-2; supt. schs., Corsicana, Tex., 1902-8; supt. schs., Fort Worth, Tex., 1908-15; present position, 1915–. Pres. Tex. State Teachers Assoc., 1907-8.—*b.* Douglass, Tex., Mar. 6, 1868; *s.* John Thos. and Martha Taylor (Campbell) C.; reared on farm; *m.* Ada A. Westmoreland, May 24, 1895; *c.* J. W. Jr., Carolyn, Robt., Christine, Conan. B.A., Yale Univ., 1894; A.M., Baylor Univ.

Capper, Arthur, senator and publisher, Topeka, Kans.

Governor of Kans., 1915-9; U. S. Senator, 1919–. Pres. Bd. Regents, Kans. State Agr. Coll. Pres. Intern. Farm Congress. Publisher Capper Farmer, Capper Weekly, Kansas Farmer, Mail and Breeze, etc.—*b.* Garnett, Kans., July 14, 1865; *s.* Herbert and Isabella (McGrew) C.; reared on farm; *m.* Florence Crawford, Dec. 1, 1892.

Card, Fred Wallace, farmer, Sylvania, Pa.

Assoc. prof. hort., Univ. Neb., 1893-8; prof. hort. and agr., R. I. State Coll., 1898-1907; farmer, 1907–. *Auth.:* Bush-Fruits, 1898, rev. 1918; Farm Management, 1907. (Hardy ornamentals).— *b.* Sylvania, Pa., Feb. 17, 1863; *s.* Thos. M. and Hannah L. (Baker) C.; reared on farm; *m.* Addie May Williams, Sept. 10, 1884; 2d, Maude Irene Clements, Apr. 26, 1907; *c.* Leslie E., Wendell T., Dana G. B.S.A., Cornell Univ., 1892; M.S.A., 1893. Sigma Xi.

Card, Wetherell Henry, poultry farmer, Manchester, Conn.

Judge at poultry shows and lect. Sec. R. I. Red Club of Amer. and Amer. Cornish Club. *Auth.:* Laws Governing the Breeding of Standard Fowls, 1912. —*b.* Copake, N. Y., Jan. 9, 1860; *s.* Wm. and Mary (Melius) C.; reared in town; *m.* Nathalie Raabe, 1886.

Cardiff, Ira D., manag. Washington Dehydrated Food Co., Yakima, Wash.

Teach. and princ. public schs., Ill., 1897-1901; asst. bot., Columbia Univ., 1904-6; asst. prof., 1906-7; prof. bot., Univ. Utah, 1907-8; prof. bot., Washburn Coll., Topeka, Kans., 1908-12; prof. plant physiology and bact., Wash. State Coll., 1912-3; dir. Exp. Sta. and head dept. bot., Wash. State Coll., 1913-7; present position, 1917–. Dir. Washburn Summer Sch., 1909-12; prof. bot., Univ. Kans. Summer Sch., 1911-2. Fellow A. A. A. S. Pres. Utah Acad. Sci., 1908. Mem. Wash. State Bd. Agr. Served Spanish-American War.—*b.* Stark Co., Ill., June 20, 1873; *s.* E. A. and Latrobe R. (Sellon) C.; reared on farm; *m.* Myrtle Sherman, Aug. 14, 1902; *c.* Edward S. B.S., Knox Coll., 1897; Ph.D., Columbia Univ., 1906; 2½ yrs. grad. work, Univ. Chicago.

Cardinell, Horace Albert, ext. hort., Univ. Mo., Columbia, Mo.

Practical orcharding, 1907-16; pom. for Brazilian govt., 1917-8; present position, 1918–.—*b.* Portland, Ore., Aug. 5, 1891; *s.* Chas. B. and Laura (Butterfield) C.; reared in city; *m.* Norma Waddell, Aug. 15, 1917. B.S.A., Ore. Agr. Coll., 1915. Sigma Alpha Epsilon.

Cardozo, Francis Henry, dir. dept. agr. and state teacher trainer, Ga. Normal and Agrl. Sch., Albany, Ga.

Teach. hort., Tuskegee Inst., 1901-3, 1905-7; teach. dairy ind., Ga. Ind. Coll., winter, 1902; prof. and dir. agr., Fla. State A. & M. Coll., 1907-17; asst. dir. agrl. dept., Tuskegee Inst., 1917-8; dir., 1918-9; present position, 1919–. Traveled in England.—*b.* Topeka, Kans., Mar. 22, 1880; *s.* Isaac N. and Eliza-

beth (Williamson) C. (col.); reared in town and on farm; *m.* Flora L. Garbon, June 27, 1906; *c.* Dorothy, Inez. Grad. Tuskegee Inst., 1901; student Cornell Univ., 1903-5; Oxford Univ., summer 1909.

Carleton, Mark Alfred, agrst., Cosmos Club, Washington, D. C.
With U. S. Dept. Agr., 1894-1918; agrl. explorer for U. S. in Russia and Siberia, 1898-9. Chg. U. S. grain exhibit and mem. jury awards, Paris Expos., 1900; chm. jury awards, St. Louis Expos., 1904. With Pa. Chestnut Blight Comn., 1912-3. Cerealist, Bur. Plant Ind., U. S. Dept. Agr., 1900-18. Fellow A. A. A. S. Decorated by French govt. with order Merite Agricole. *Auth.*: The Small Grains, 1916.—*b.* Jerusalem, O., Mar. 7, 1866; *s.* Lewis D. and Lydia Jane (Mann) C.; *m.* Amanda Elizabeth Faught, Dec. 29, 1897. B.Sc., Kans. State Agr. Coll., 1897; M.Sc., 1893.

Carlson, Carl A., instr. agr., Flathead Co. High-Sch., Kalispell, Mont.
2d Lieut., Q. M. C., U. S. Army, 17 mos. (Farm crops and soils).—*b.* Minneapolis, Minn., Aug. 25, 1895; *s.* Knute P. and Anna (Martinussen) C.: reared on farm and in city; *m.* Matilda Runsvold, Dec. 24, 1919. B.S.A., Ia. State Coll., 1919.

Carlyle, Sidney George, supt. dem. farms, Dept. Agr., Edmonton, Alta.
Breeder Holstein cattle and Clydesdale horses, Dundas Co., Ont.; present position, 1913.—*b.* Chesterville, Ont., Oct. 7, 1874; *s.* Thos. and Nancy (Thom) C.; reared on farm; *m.* Bertha Reid, 1903; *c.* Helen, Wm., Robt., Jean, Donald, Archibald, Marion. Student Ont. Agr. Coll. and Univ. Wis.

Carlyle, William Levi, manag. Geo. Lane ranches and live-stock companies, Calgary, Alta.
Instr., Ont. Agr. Coll., 1892-3; ext. lect., Univ. Minn., 1893-6; prof. an. husb., Univ. Wis., 1896-1903; prof. agr., Colo. Agr. Coll., 1903-5; dean agr., 1905-9; dean agr., dir. Exp. Sta., Univ. Ida., 1910-5; dean agr. and dir. Exp. Sta., Okla. A. & M. Coll., 1915-8; present position, 1918–; agt. and manag. H. R. H. The Prince of Wales "E. P." ranch in Alta., 1919.—*b.* Ont., Canada, Sept. 22, 1870 (naturalized 1904); *s.* Thos. and Nancy (Thom) C.; reared on farm; *m.* Inez M. Fairbanks, July 7, 1896; *c.* Kathlene, Theodora, Helen Fairbanks. B.S.A., Univ. Toronto (Ont. Agr. Coll.), 1892; M.S., Colo. Agr. Coll., 1905. Alpha Zeta.

Carman, Armiel, teach. voc. agr., high-sch., Mayfield, Ky.
Asst. chem., Dept. Feed Stuffs Control, Ky. Exp. Sta., 1914-6; co. agrl. agt., Hickman Co., Ky., 1916-9; present position, 1919–.—*b.* Putnam Co., Tenn., Nov. 9, 1888; *s.* Martin Alexander and Frances (Welch) C.; reared on farm; *m.* Jessie Harkliss Clark, Oct. 21, 1917; *c.* Mary Clark. B.S.A., Univ. Ky., 1916. Alpha Zeta.

Carmichael, Wilbur Jerome, sec. Nat. Swine Growers Assoc., 37 W. Van Buren St., Chicago, Ill.
Asst. an. husb., Univ. Ill., 1912-5; instr., 1915-7; assoc., 1917; agt. in an. husb., U. S. Dept. Agr., 1917-8; ext. an. husb., U. S. Dept. Agr., 1918-9; present position, 1919–. Manag. hog farm, Univ. Ill., 1912-8. 1st Lieut. in Mex. border service, 1916.—*b.* Rochelle, Ill., June 15, 1888; *s.* Jas. and Alma Louise (Knight) C.; reared on farm; *m.* Florence Jennie Varns, Nov. 23, 1916; *c.* Ellsworth Varns. B.S., Univ. Ill., 1913; M.S., 1916. Sigma Xi; Gamma Alpha; Alpha Zeta.

Carpenter, Carlos Clay, prof. hort., Coll. Agr., Syracuse Univ., Syracuse, N. Y.
Fruit-grower, Palisade, Colo., 1910-3; fruit insp., Fruit Growers Assoc., Palisade, summers, 1913-5; superv. agrl. educ., Walla Walla, Wash., 1914-7; St. Joseph, Mo., 1917-8; present position, 1918–.—*b.* Kalona, Ia., Oct. 17, 1885; *s.* E. A. and Tilla (Manatt) C.; reared on farm; *m.* Pearl Ebaugh, May 27, 1911; *c.* Margaret Hope, Wm. Carlos. B.S., Colo. Agr. Coll., 1914; student Univ. Calif.

Carpenter, Clarence Willard, assoc. path., Exp. Sta., Hawaiian Sugar Planters Assoc., Honolulu, Hawaii.
Asst. bact., Vt. Exp. Sta., 1912-3; sci. asst., Bur. Plant Ind., U. S. Dept. Agr., 1913-6; plant path., Hawaii Agr. Exp. Sta., 1916-9; present position, 1919–.—*b.* Westport, N. Y., Sept. 23,

1888; *s.* Frank H. and Flora A. (Stone) C.; reared in town. B.S., Univ. Vt., 1911; M.S., 1912.

Carpenter, Delph E., lawyer and farmer, Greeley, Colo.

Founder and vice-pres. North Side Ext. Ditch Co.; owner Carpenter Reservoir Co. and Carpenter Cattle Co.; breeder registered Shorthorn cattle (Bates or milking strain); general counsel Greeley-Poudre Irrig. Distr.; counsel in chg. Colo. defense in Wyo. vs. Colo.; counsel for Colo. canals in suit between Neb. and Colo. on S. Platte River; counsel Republican River case between Neb. and Colo.; counsel for Colo. in boundary case between N. Mex. and Colo.; adv. counsel for Colo. on La Platte and Rio Grande interstate river matters; counsel for Saguache River Water Users Assoc. on Saguache River litigation; personal counsel to pres. Colo. Stockgrowers Assoc. State senator, Colo., 1909-13; asst. attorney-general on interstate river litigation, 1918. (Irrig. and interstate water law). —*b.* Greeley, Colo., May 13, 1877; *s.* Leddy S. and Martha Allen (Bennett) C.; reared on farm and ranch; *m.* Michaela Hogarty, June 5, 1901; *c.* Michaela H., Donald A., Sarah H., Martha P. B.L., Univ. Denver, 1899. Beta Theta Phi.

Carpenter, Louis George, engin., 707 First Nat. Bank Bldg., Denver, Colo.

Instr. and asst. prof. math., Mich. Agr. Coll., 1881-8; prof. engin., Colo. Agr. Coll., 1888-1911; dir. Exp. Sta., 1899-1911; state engin., Colo., 1903-5; consulting engin. for Colo. making the invest. for protection in case of Kans. vs. Colo. and of Wyo. vs. Colo.; referee between Wyo. and U. S. in N. Platte River matters, 1920; referee between Colorado Springs and Electric Co. establishing electric light contracts; mem. Irrig. Comn. of B. C. preparing irrig. code. Pres. Windsor Land Co., 1908-19; dir. Tongue Creek Orchard Co.; lect., Colo. State Grange, 1903; pres. Colo. State Hist. Soc., 1916-20; chm. Engin. Group of Denver, 1916–; mem. Engin. Council; pres. Amer. Soc. Irrig. Engin. Bank dir., Ft. Collins, Colo., 1909-16; pres. Bldg. and Loan Assoc., 1899-1913. First member chosen of first State War Council in U. S. Chevailer du Merite Agricole, France, 1893; gold medal, Paris Expos. On staff, Standard Dictionary. (Irrig. and agrl. engin.).—*b.* Orion, Mich., Mar. 28, 1861; *s.* Chas. Ketcham and Jennett (Coryell) C.; reared on farm; *m.* Mary J. C. Merrill, 1887; *c.* Chas. Louis, Jennette C. B.S., Mich. Agr. Coll., 1879; M.S., 1883; student Univ. Mich. and Johns Hopkins Univ. Delta Tau Delta.

Carr, Julian S., banker and farmer, Durham, N. C.

Proprietor Occoneechee Farms. Pres. Blackwell Bull Durham Tobacco Co.; pres. First Nat. Bank, Durham; pres. N. C. Agrl. Fair; pres. Ormond Mining Co.; pres. Durham Public Library Assoc.; pres. Moore Co. Mem. Assoc.; pres. Mt. Mitchell Park Assoc.; pres. Sir Walter Raleigh Mem. Assoc.; pres. Confederate Battle Abby, Richmond, Va.; trustee Univ. N. C.; trustee Greensboro College for Women, etc. Dir. Durham Hosiery Mills. Mem. State Legislature, 1916. Served under Hoover in Food Adminis., 1 yr. Gen. commander, Dept. Army, N. Va. Confederate Veteran Assoc.; mem. Ku Klux Klan, 1867-8. Mem. Hon. Commercial Comn. to Orient, 1917.—*b.* Chapel Hill, N. C., Oct. 12, 1845; *s.* John Wesley and Eliza P. (Bullock) C.; reared in town; *m.* Nannie Graham Parrish, Feb. 19, 1873; *c.* Eliza M., Lalla R., Julian S., Albert M., Claiborn M., Austin H. Grad. Univ. N. C. Zeta Psi.

Carr, Ralph Howard, assoc. prof. agrl. chem., Purdue Univ., LaFayette, Ind.

Chem. Western Electric Co., 1902-4; prof. chem., Buena Vista Coll., Ia., 1905; prof. chem., Coll. of Emporia, Kans., 1908-11; present position, 1913–. *Auth.:* Plant and Animal Chemistry, 1915. (Nutr.).—*b.* Wooster, O., Aug. 28, 1878; *s.* Lucius Cranmore and Sarah (Lawhead) C.; reared on farm; *m.* Myrtle Louthan, 1906; *c.* Bruce. B.S., Wooster Coll., 1900; M.S., Univ. Wis., 1910; Ph.D., 1913. Sigma Xi; Lambda Chi Alpha; Phi Lambda Upsilon.

Carr, Roswell Gilbert, co. agrl. agt., Grand Rapids, Mich.

Teach. agr., North Adams high-sch., Mich., 1908-10; Dillon, Mont., 1910-1; supt. Upper Peninsula Exp. Sta.,

Chatham, Mich., 1912-5; formerly agt. Ontonagon Co. Vice-pres. Mich. Assoc. Co. Agrl. Agts. Co. food admins., Ontonagon, 1918.—*b.* Fowlerville, Mich. Jan. 31, 1886; *s.* O. E. and Maria Jane (Kirkland) C.; reared on farm; *m.* Edith Landon Bigelow, July 21, 1907; *c.* Betty Aileen, Bonnie Jean, Rhoda Maria. B.S., Mich. Agr. Coll., 1908.

Carrick, Doak Bain, invest. in marketing, Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Instr. high-sch., Burlington, N. C., 1910-1; High Point, N. C., 1911-2; princ. high-sch., High Point, 1912-3; asst. pom., Cornell Univ., 1915-7; present position, 1917–.—*b.* Lexington, N. C., Dec. 11, 1888; *s.* Thos. and Mary (Bain) C.; reared in small town. A.B., Wake Forest Coll., N. C., 1910; Ph.D., Cornell Univ., 1917. Sigma Xi.

Carrier, Lyman, agron., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Prof. agron., Va. Poly. Inst., 1908-14; present position, 1914–. Farming, 6 yrs. Sec.-treas. Amer. Soc. Agron.; sec.-treas. Agrl. Hist. Soc. (Grazing and forage crops).—*b.* Duffield, Mich., Oct. 11, 1877; *s.* Geo. Lyman and Maria (Warner) C.: reared on farm; *m.* Clara Allen Pack. June 7, 1911; *c.* Martha Waklee. B.S., Mich. Agr. Coll., 1902; M.Agr., 1913.

Carrigan, Joseph Edward, asst. co. agt. leader, Univ. Vt., Burlington, Vt.

Ext. worker, Univ. Vt., 1914-5; agt. Addison Co., Vt., 1915-7; present position, 1917–.—*b.* Pittsford, Vt., Nov. 7, 1891; *s.* Joseph B. and Marcella (Lowth) C.; reared on farm. B.S., Univ. Vt., 1914. Alpha Zeta.

Carrington, William Thomas, dir. voc. educ. and superv. training voc. teachers in Mo., Jefferson City, Mo.

Teach. and supt. city schs., 8 yrs.; princ. high-sch., 12 yrs.; state supt. public schs., 8 yrs.; pres. Mo. State Teachers Coll., 12 yrs. Pres. Mo. State Teach. Assoc.; mem. com. on agrl. teaching, Nat. Educ. Assoc.; mem. Nat. Council of Educ.; mem. State Bd. Agr. Ed. and proprietor, Mo. School Journal. —*b.* Callaway Co., Mo., Jan. 23, 1854; *s.* Wm. and Susan (Fisher) C.; reared on farm; *m.* Mary Holloway, 1879; *c.* Wm. J., Paul. A.M., McGee Coll.

Carroll, Frank Arthur, co. agrl. agt. and manag. Berkshire Co. Farm Bur., Pittsfield, Mass.

Asst. herdsman, Grassland Farms, Chapinville, Conn., 1912; Roseland Farm, Newport, R. I., 1913; superv. Coss Co., N. H., Dairy Record Assoc., 1913-4; dairy dept., N. H. A. & M. Coll., 1914-5; field agt., Dairy Div., U. S. Dept. Agr., 1916-7; co. agt., Mercer Co., N. J., 1917-9; present position, 1920–. (Dairying). —*b.* Blackstone, Mass., Oct. 14, 1886; *s.* Patrick and Mary (McNally) C.; reared on farm and in town; *m.* Sara Gallagher, Aug. 28, 1919; *c.* Anne Mary. B.S., R. I. State Coll., 1913; special student Cornell Univ., 1915-6.

Carroll, Harry Benson Jr., co. agrl. agt., Bellingham, Wash.

b. Kansas City, Mo., Oct. 27, 1885; *s.* Harry Benson and Fannie (Taylor) C.; reared on farm. B.S.A., Univ. Minn., 1909. Alpha Tau Omega; Alpha Zeta.

Carroll, William Ernest, prof. an. husb., Utah Agr. Coll., an. husb. Exp. Sta., Logan, Utah.

Asst. prof. an. husb. and an. husb. Exp. Sta., Logan, Utah, 1911-2; assoc. prof. and asst. chm. Sch. Agr., 1912-3; present position, 1914–. Capt. Sanitary Corps, U. S. Army, 1918-9. (An. nutr.). —*b.* Orderville, Utah, Nov. 8, 1882; *s.* C. W. and Amelia (Snyder) C.; reared on farm; *m.* Lenore Ure, Sept. 1, 1915; *c.* 1 son. B.S., Utah Agr. Coll., 1909; M.S., Univ. Ill., 1911; Ph.D., Univ. Ill., 1914. Sigma Xi; Phi Lambda Upsilon.

Carsner, Eubanks, path. sugar plant invests., U. S. Dept. Agr., Riverside, Calif.

(Diseases of truck crops and sugar-beets).—*b.* San Antonio, Tex., July 19, 1891; *s.* Chas. Ferdinand and Lucy R. (Callender) C.; reared in town. B.A., Univ. Tex., 1912; M.S., Univ. Wis., 1914; Ph.D., 1917. Sigma Xi.

Carson, William John, gen. manag. Castles Ice Cream Co., Perth Amboy, N. J.

Dairy instr., Kingston Dairy Sch., 1902-4; instr., Univ. Wis., 1904-6; prof. dairy husb., Man. Agr. Coll., 1906-10; managing dir., Carson Hygienic Dairy Co., Winnipeg, 1910-5; prof. dairy

husb., Rutgers Coll. and dairy husb. Exp. Sta., 1915-7; manag. Ayer & McKinney, New York City, 1917-9; present position, 1919–. (Dairy manufacturers).—*b.* Metcalf, Ont., Nov. 15, 1872; *s.* Wm. and Jane (Stringer) C.; reared in town and on farm; *m.* Ella J. Kennedy, Dec. 25, 1902; 2d, Edna Maud Doran, June 7, 1917. B.S.A., Ont. Agr. Coll., 1902.

Carter, Arthur Horace, ext. agrl. engin. and architect, Miss. A. & M. Coll., Agricultural College, Miss.

b. Springfield, O., Aug. 9, 1893; *s.* Frank H. and Susan Elnora (Hiestand) C.; reared on farm; *m.* Bertha Catherine Peoples, Aug. 8, 1918. B.S.A., Ohio State Univ., 1917.

Carter, Clarence Edgar, ext. asst. prof. farm crops, Univ. Mo., Columbia, Mo.

Instr. agr., high-sch., Liberty, Mo., 1915; agt. Obion Co., Tenn., 1916-7; Knox Co., Mo., 1917-9; present position, 1920–.—*b.* La Plata, Mo., Feb. 20, 1889; *s.* John N. and Matilda (Carnahan) C.; reared on farm; *m.* Georgia Haley, Dec. 24, 1915; *c.* Martha Jane, Geo. Edgar. B.S.A., Univ. Mo., 1915.

Carver, George Washington, dir. exp. sta., Tuskegee Inst., Tuskegee, Ala.

Mem. Royal Soc. of Arts, London, England.—*b.* Diamond, Mo.; of African descent. B.S.A., Ia. State Coll., 1894; M.S.A., 1896.

Carver, Thomas Nixon, prof. econ., Harvard Univ., Cambridge, Mass.

Assoc. prof. and prof. econ. and sociol., Oberlin Coll., 1894-1900; assoc. prof. econ., Harvard Univ., 1900-2; prof., 1902–. Dir. Rural Organization Serv., U. S. Dept. Agr., 1913-4; adv. in agrl. econ., U. S. Dept. Agr., 1914-5. —*b.* Kirkville, Ia., Mar. 25, 1865; *s.* John Henry and Margaret Jane (Bartow) C.; reared on farm; *m.* Flora Frazee Kirkendall, May 4, 1888; *c.* Helen G., Emmett K., Margaret J. A.B., Univ. S. Calif., 1891; Ph.D., Cornell Univ., 1894; LL.D., Oberlin Coll., 1905. Phi Delta Theta.

Carvin, Florence, home dem. agt., Independence, Mo.

b. Clearwater, Kans., Jan. 28, 1887; *d.* Merritt A. and Agnes (Ross) C.; reared in town. A.B., Fairmount Coll., 1908; B.S., Kans. State Agr. Coll., 1913. Kappa Kappa Gamma.

Carwile, Addison Brooks, co. agrl. agt., Edgefield, S. C.

Asst. supt., Church Home Orphanage, York, S. C., 1916-7; agt. Union Co., S. C., 1917-8; agt. Edgefield Co., 1919–. Lieut. Inf., U. S. Army, 1918. (Tobacco growing and bee ind.).—*b.* near Abbeville, S. C., Oct. 13, 1896; *s.* Preston Brooks and Liela (Kay) C. B.S., Clemson Agr. Coll., 1916.

Cary, Charles Allen, dean Coll. Vet. Med. and state vet., Ala. Poly. Inst., Auburn, Ala.

Prof. vet. sci., S. D. State Coll., 1889-91; present position, 1892–. Pres. Amer. Vet. Med. Assoc., 1920; pres. Ala. Livestock Assoc., 25 yrs.; dir. farmers' summer sch., 18 yrs., Ala. Poly. Inst.—*b.* Ia., Nov. 27, 1861; *s.* Wm. and Lucy Ellen (Ohara) C.; reared on farm and in town; *m.* Emma Heck, Nov. 27, 1890; *c.* Elwyn Allen, Alice, Phoebe. B.S., Ia. State Coll., 1885; D.V.M., 1887.

Case, Harold Clayton M., agrst. in chg. farm manag. dem., States Relations Serv., U. S. Dept. Agr., Washington, D. C.

Grad. asst. an. husb., Univ. Ill., 1912-3; farm manag., 2 yrs.; farm manag. dem., Univ. Ill., 1915-7; assoc. in farm organization and manag., and asst. state leader of farm adv. work, 1917-9; present position, 1919–.—*b.* Dunlap, Ill., Mar. 1, 1890; *s.* Chas. Milton and Eliza Ann (Cramer) C.; reared on farm; *m.* Naomi O. Newburn, Sept. 24, 1919. B.S., Univ. Ill., 1912; M.S., 1919. Sigma Xi; Alpha Zeta.

Case, Harry Lane, teach. agr., high-sch., Endicott, N. Y.

Teach. rural sch., 2 yrs.; present position, 1915–. (Voc. agrl. educ.).—*b.* Easton, N. Y., Aug. 25, 1892; *s.* Chas. H. and Alma J. C.; reared on farm. Grad. Cortland State Normal Sch.; student Cornell Univ., summer, 1918.

Case, John Francis, ed. Missouri Ruralist, 1318 Chemical Bldg., St. Louis, Mo.

Ex-vice-pres. Mo. Editorial Assoc.; ex-sec. N. W. Mo. Press Assoc.; pres.

Mo. Corn Growers Assoc. Dir. boys' and girls' club work for Arthur Capper. *Auth.*: General Jimmie Rabbit, 1918.—*b.* Lyon Co., Minn., Sept. 30, 1876; *s.* Orin S. and Emily Ann (Shipton) C.; reared on farm and in town; *m.* Margaret Calvert, Oct. 5, 1908; *c.* Aileen, Wilfred, Francis, Elizabeth.

Castle, Carrie Ethel, home dem. agt., Kankakee, Ill.
Sec. and librarian, Calif. Poly. Sch., 1910-4; sec. Lick Observatory, 1914-5. —*b.* Whitehouse, O., June 13, 1885; *d.* Jehile and Lorinda (Norris) C.; reared on farm. B.S., Ore. Agr. Coll., 1918; A.B., Univ. Calif., 1918; M.A., 1919. Alpha Nu.

Caswell, Oscar W., instr. voc. agr., high-sch., Donalsonville, Ga.
Instr. an. husb., Hampton Inst., 1906-7; farmer, Miss., 1909-15; agt. Hancock Co., Miss., 1915-Jan. 1916; agt. Suwannee Co., Fla., 1916-7; agt. Mantee Co., 1917-9; present position, 1919–. —*b.* Warrick Co., Ind., Oct. 9, 1881; *s.* Christopher C. and Serilda (Caldwell) C.; reared on farm; *m.* Ada May Collins, Sept. 7, 1910; *c.* Lloyd C., Roberta Maxine. B.S.A., Purdue Univ., 1905.

Cate, Claude Clifton, co. agrl. agt., Medford, Ore.
Asst. plant path., Ore. Agr. Coll., 1907-8.—*b.* Decatur, Tex., May 5, 1882; *s.* Wm. B. and Mary A. (Bull) C.; reared on farm; *m.* Grayce May Rose, Jan. 6, 1909; *c.* Leland L., Wm. L., Claude C. Jr. B.S., Ore. Agr. Coll., 1904.

Cates, Henry Roy, agron. in chg. weed invest., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.
Instr. farm crops, Cornell Univ., 1912. Capt. Sanitary Corps, U. S. Army, served 9 mos. in France.—*b.* Graham, N. C., Aug. 21, 1885; *s.* Henry Manly and Mary Elizabeth (Bradshaw) C.; reared on farm. B.S., N. C. State Coll., 1911; student Cornell Univ. Alpha Zeta.

Cates, Junius Sidney, agrst., Rosslyn, Va.
On writing staff Country Gentleman, 1906-12; asst. in chg. sect. of weed and tillage invests., Off. Farm Manag., U. S. Dept. Agr., 1906-12; ed. Southern Planter, Richmond, Va., 1912-4; agrst., Off. Farm Manag., 1914-9.—*b.* Graham, N. C., Aug. 10, 1877; *s.* Henry Manley and Mary Elizabeth (Bradshaw) C.; reared on farm; *m.* Theodosia Dutrow, Oct. 17, 1908; *c.* Elizabeth Greenleaf. B.Agr., N. C. State Coll., 1902; M.Agr., 1904; grad. student, Cornell Univ., 1904-5; Ph.D., American Univ., 1916. Kappa Sigma. Alpha Zeta.

Catlin, Clifford N., research specialist in agrl. chem., Univ. Ariz., Tucson, Ariz.
Asst. chem., Ariz. Exp. Sta., 1912-8; present position, 1918–; metalurgist and chem. in smelters and mines, S. W. Calif. and Cent. Amer.—*b.* Nemaha, Neb., July 27, 1879; *s.* Norman B. and Mary (Adams) C.; reared on farm and in city; *m.* Pearl P. Palmer, Dec. 25, 1913; *c.* Hamilton Robinson. A.B., Univ. Neb., 1903; A.M., 1912.

Cauthen, Edward Francis, assoc. agrst. in chg. field crop exps., Ala. Exp. Sta., Auburn, Ala.
Pres. 5th Distr. Agr. Sch., Hamilton, Ala., 1896-1905; agrst., 6th Distr. Agr. Sch., Wetumpka, Ala., 1906-8; farm supt., Ala. Exp. Sta., 1908-11; assoc. agrst., 1912–.—*b.* Heath Spring, S. C., Jan. 17, 1868; *s.* J. C. and Gazarine G. (Hammond) C.; reared on farm; *m.* Kate Luttrell. Aug. 6, 1901; *c.* Katie Frances, Maryline, John Luttrell. B.S., Univ. Nashville, 1895; grad. student, Univ. Nashville, 1895-6; Cornell Univ., 1905-6.

Cavanagh, Joseph Ramsey, field agt., in marketing, U. S. Dept. Agr. and Mo. State Bd. Agr., Jefferson City, Mo.
With U. S. Bur. Markets, 1917-9; ext. specialist marketing, Purdue Univ., 1918-9. Fruit and truck farmer, Ind., 3 yrs. (Handling of perishables).—*b.* Indianapolis, Ind., Jan. 8, 1894; *s.* Joseph Robinson and Olive (Upson) C.; reared in city; *m.* Esther Marie Bassett, June 25, 1917; *c.* Joseph Edwin. B.S.A., Purdue Univ., 1916. Sigma Phi Epsilon.

Cavanaugh, George Walter, prof. agrl. chem., Cornell Univ., Ithaca, N. Y.
Asst. chem., Cornell Univ. Exp. Sta., 1895-1902; asst. prof. agrl. chem., Cornell Univ., 1903-8; prof., 1908–. (Chem.

milk and milk products and fertilizers). —*b.* Watertown, N. Y., Feb. 4, 1870; *s.* Jas. and Mary (Bellew) C.; reared on farm; *m.* Mary A. Fahey; *c.* Paul J., Alice M. B.S., Cornell Univ., 1896. Sigma Xi; Alpha Zeta; Alpha Chi Sigma.

Cave, Harry Winfield, assoc. prof. dairy husb., Kans. State Agr. Coll., Manhattan, Kans.

Grad. asst., Kans. State Agr. Coll., 1914-6; dairy specialist, W. Va. Univ., 1916-8; present position, 1918-.—*b.* Fayette, Ia., Apr. 30, 1890; *s.* Benj. Austin and Serena Arvilla (Cowles) C.; reared on farm; *m.* Anita Lucile Meltzer, Dec. 25, 1917. B.S.A., Ia. State Coll., 1914; M.S., Kans. State Agr. Coll., 1916. Gamma Sigma Delta.

Cave, Roy Albert, co. agrl. agt., Wauseon, O.

With An. Husb. Div., U. S. Dept. Agr., 1907-10; agrl. ext. dept., Ia. State Coll., 1910-3; manag. dairy farm, S. Charleston, O., 1915-8; present position, 1918-.—*b.* Fayette, Ia., Mar. 17, 1882; *s.* Benj. and Arvilla (Cowles) C.; reared on farm; *m.* Mary C. Nave, May 22, 1918. B.S.A., Ia. State Coll., 1906.

Caverno, Xenophon, farmer and agrl. engin., Canalou, Mo.

Mech. engin., Union Pacific R. R., 1890-3; manag. and pres. Kewanee Light and Power Co., Kewanee, Ill., 1893-7; pres. Kewanee Printing and Publishing Co., 1907-16. Mem. exec. com., Mo. Farm Bur. Fed.; dir. Amer. Farm Bur. Fed.—*b.* Waukesha, Wis., Dec. 26, 1865; *s.* Chas. and Abbie H. (Smith) C.; reared in town; *m.* Tillie H. Bacon, 1892; 2d, Louise Lay, 1897; *c.* Dorothea Jeanette, Margaret Morrill. B.M.E., Univ. Wis., 1890.

Cavert, Walter Dudley, clergyman, Stamford, N. Y.

Prof., Charlton Ind. Farm Sch., 1911-2; dir. religious educ., Congregational Church, Williamantic, Conn.; pastor Presbyterian Church, Stamford, 1916-. Mem. N. Y. Synodical Home Missions Com. Chaplain, U. S. Army, 1918. (Rural church).—*b.* Charlton, N. Y., Jan. 19, 1891; *s.* Walter I. and Elizabeth (Brann) C.; reared on farm; *m.* Harriet M. Harrer, July 17, 1916. A.B., Union Coll., 1911; B.D., Union Theol. Sem., 1915.

Cavert, William Lane, farm manag. dem., U. S. Dept. Agr. and Univ. Minn., University Farm, St. Paul, Minn.

Instr. farm manag., Univ. Minn., 1912-4; farm manag. dem., 1914-. *Ed.* farm manag. column in Farm, Stock and Home.—*b.* Charlton, N. Y., Mar. 7, 1887; *s.* Walter I. and Elizabeth (Brann) C.; reared on farm; *m.* Mary E. Mead, Sept. 1914; *c.* Jane McCrea. Ph.B., Union Coll., 1910; B.S.A., Cornell Univ., 1912; M.S., Univ. Minn., 1914.

Cayer, Georges, general insp. cheese and butter factories and prof., Provincial Dairy Sch., St. Hyacinthe, Que.

b. Holyoke, Mass., Sept. 13, 1877; *s.* David and Philomine (Vautrain) C.; reared on farm and in city; *m.* Lizzie Mercure, May 3, 1910; *c.* Liliane, Therese, Roger, Lomer, Maurice, Laurier, Jeanne.

Chamberlain, William Isaac, farmer, Hudson, O.

Instr. Greek and Latin, Western Reserve Coll., 1861-70; sec. agr., O., 1880-6; pres. Ia. State Coll., 1886-90. Trustee Ohio State Univ., 1891-8; mem. bd. of control, Ohio Exp. Sta., 1905-9. *Auth.:* Tile Drainage, 1892, rev. 1916; First Principles of Agriculture, 1917; Doings in District No. 5. *Assoc. ed.,* Ohio Farmer, 1891-1908; National Stockman and Farmer, Pittsburg, Pa., 1908-19; Ohio Farmer, 1919-. Traveled in Europe, 1908-9, 1912.—*b.* Sharon, Conn., Feb. 11, 1837; *s.* Jacob and Ann (Nutting) C.; reared on farm; *m.* Lucy J. Marshall, Aug. 16, 1863; *c.* Jennie, Herbert, Joseph, Clifton, Carroll. A.B., Western Reserve Coll., Hudson, O., 1859; A.M., 1862; LL.D., Rutgers Coll., 1881, Ohio State Univ., 1888; Rev., 1886, by Cong'l. Council, Columbus.

Chamblee, William H. Jr., co. agrl. agt., Wakefield, N. C.

Farmer; co. agt., 1908-.—*b.* Wakefield, N. C., Feb. 22, 1863; *s.* Wm. B. C.; reared on farm; *m.* Ell E. Richardson, 1885; *c.* Durwood, Bayard, Exum, Royster, Donald, Joe, Estelle, Maselle, Clyda, Maida.

n, **Manley,** asst. prof. agron., S. D. Coll., Brookings, S. D.
cial agt., U. S. Dept. Agr., 1909; sst., 1910; collaborator, 1911–; prof. agron. and asst. gen. supt. farms, S. D. State Coll., 1914–. S. D. Exp. Assoc., 1913–. Mem. Grades Com., Minn., 1916. *Auth.:* ns in Field Management, 1917; nts' Guide for the Study of Field , 1917.—*b.* Howard Co., Ia., Oct. 85; *s.* E. B. and Amelia L. (Janes) eared in small town; *m.* Mabel E. r, Mar. 28, 1911; *c.* Marion, ine. B.S., S. D. State Coll., 1909; 1914.

r, **Bernard Albert,** asst. prof. for. tion, Cornell Univ., Ithaca, N. Y. loucester, Me., Dec. 20, 1884; *s.* w C. and Cora (Bean) C.; reared m; *m.* Bessie Thayer, May 19, *c.* Edmond Thayer.

r, **Wallace Larkin,** asst. prof. and ch assoc. ent., Mich. Agr. Coll., nsing, Mich.
r. parasitology, Cornell Univ., ; present position, 1918–. (Med. et. parasitology).—*b.* Antonito, Apr. 21, 1885; *s.* Thos. W. and L. (Jewell) C.; reared on farm; rence Isabel Lucas, July 5, 1917; ry Elizabeth, Flora Louise. B.S., Calif., 1914; M.S., 1915; Ph.D., ll Univ., 1918. Sigma Xi; Beta Alpha.

r, **William Henry,** prof. pom., ice-dir. research, Coll. Agr., Cor- niv., Ithaca, N. Y.
. prof. hort., Univ. Mo., 1910-3; pom., Cornell Univ., 1913-20; t position, 1920–. Fellow A. A. (Killing of plant tissue by low rature; pruning).—*b.* Butler, Mo., 31, 1878; *s.* Winfield Scott and Wade (Lewis) C.; reared on farm; ncy Caroline Steele, Sept. 6, 1905; oline G., Wm. L., Mary Martha, S. B.S.A., Univ. Mo., 1905; .., 1906; Ph.D., 1914. Sigma Xi; Zeta.

Jean Charles, advocate and , St. Denis de la Bouteillerie,

yer, 1875-7; assoc. ed., Official l of Agriculture of Province of Que., 1879-90; asst. dairy comn., Canada, 1890–; agrl. lect. on dairying in French sections of Dominion, 1879–; fed. asst. agrl. comn. for carrying out Agricultural Instruction Act in Que., 1913–; collaborator and correspondent agrl. press. Sec. Que. For. Assoc.; dir., vice-pres., pres., Pom. and Fruit-Growing Soc. of Province of Que.; dir. and vice-pres. Que. Dairymens Assoc. *Auth:* The Canadian Forester's Illustrated Guide, French 1883, English 1885; Notes on Quebec Schools of Agriculture, 1916.—*b.* St. Denis de la Bouteillerie, Que., Mar. 6, 1850; *s.* Jean-Chas. and Georgina (Dionne) C.; reared in village; *m.* Henrietta Michaud; *c.* Chas., Anais. LL.B., Laval Univ., 1875; admitted to Que. Bar, 1875; Doct. Agrl. Sci., 1916; hon. diploma, Macdonald Coll., 1917.

Chapin, Harry Griswold, co. agrl. agt., Watkins, N. Y.

Co. rep. N. Y. State Food Comn., 1 yr.; asst. co. fuel administrator. Sec. Schuyler Co. Wool Growers Assoc.; vice-pres. Schuyler Agrl. Soc. (Rural organization and marketing).—*b.* Holcomb, N. Y., May 22, 1895; *s.* Chas. and Clara (French) C.; reared on farm; *m.* Helen Adam, Oct., 1918. Special student Cornell Univ. Phi Delta Sigma.

Chapin, Oscar Hilan, co. agrl. agt., Olean, N. Y.

b. Easton, N. Y., July 1, 1893; *s.* Hilan and Cora (Ostrander) C.; reared on farm; *m.* Frances Leona Deinhard, Apr. 28, 1918; *c.* Oscar H. Jr. Student Cornell Univ. Kappa Delta Rho.

Chapman, Abel Hugh, co. agrl. agt., Greenville, S. C.

Asst. agr., Fla. Exp. Sta., 1906-7; prof. agr., 2d Distr. Agrl. Sch., Evergreen, Ala., 1907-8; prof. agr., Cameron State Sch. Agr., Lawton, Okla., 1908-12; asst. manag. Farm Improvement Dept., Southern Ry. Co., 1912-4; agt. Greenville Co., S. C., 1914–. Chief appriser Fed. Land Bank of Columbia, S. C., 6 mos.—*b.* Newton, Miss., Sept. 15, 1880; *s.* Jno. E. and Susan (Evans) C.; reared on farm; *m.* Irene Chapman; *c.* A. H. Jr. B.S., Miss. A. & M. Coll., 1904; M.S.A., Univ. Mo., 1907.

Chapman, Corliss Clyde, co. agrl. agt., De Ridder, La.

Teach. agr., state schs., La., 3 yrs.; agt. Beauregard Parish, 1914–. Sec. La. Shorthorn Breeders Assoc. Del. to Southern Cotton Convention. (Beef cattle).—*b.* Lincoln Parish, La., Oct. 14, 1887; *s.* J. M. and Elmira (Tabor) C.; reared on farm; *m.* Ruth Michael, May 5, 1914; *c.* John Corliss, Jeff Martin. Student, La. State Univ.

Chapman, Frederick L., ed. and owner, Better Farming, 141 W. Ohio St., Chicago, Ill.

b. Kane Co., Ill., Apr. 21, 1864; *s.* Samuel and Margaret (Spittal) C.; reared on farm; *m.* Louise Sewall, 1891; *c.* Fred L. Jr., Edmund S., John Wilson, Louise, Margaret, Helen. B.A., Amherst Coll., 1888; M.A., 1891. Psi Upsilon.

Chapman, Royal Norton, asst. prof. an. biol. and asst. ent. Exp. Sta., Univ. Minn., University Farm, St. Paul, Minn.

Instr. an. biol., Univ. Minn., 1917-8; asst. prof., 1918–. Special rep. (ent.) Fed. Food Adminis. for Minn.—*b.* Morristown, Minn., Sept. 17, 1889; *s.* Norton E. and Frances E. (Crowther) C.; reared on farm; *m.* Helen Atherton Sanborn, June 9, 1917. B.S., Univ. Minn., 1914; M.A., 1915; Ph.D., Cornell Univ., 1917. Sigma Xi (sec. Minn. chapter); Gamma Alpha.

Charlton, Isaiah Milbury, dir. N. Y. State Sch. Agr., Morrisville, N. Y.

Teach., State Sch. Agr., Morrisville, N. Y., 1910-7; acting dir., 1917-9; dir., 1919–. Dir. Census and enrollment officer, 1916-7.—*b.* Port Lorne, N. S., Sept. 20, 1876 (naturalized 1898); *s.* Silas and Lucinda (Sabean) C.; reared on farm and in city; *m.* Mary Olive Churchill, Sept. 19, 1911; *c.* Milbury Churchill, Frank Stanton. A.B., Colgate Univ., 1910; A.M., 1912. Beta Theta Pi.

Chase, Leon Wilson, chm. agrl. and mech. engin. depts., Univ. Neb., and pres. Chase-Dinsman Plow Co., Lincoln, Neb.

Farming 1 yr., Lancaster Co., Neb.; Fairbanks-Morse Co., 2 yrs. Pres. and sec. Amer. Soc. Agrl. Engin. Major Ord. R. C., U. S. Army, 1918-9. *Auth.:* (with Davidson) Farm Machinery and Farm Motors, 1908. *Ed.*, series on agrl. engin., John Wiley & Sons.—*b.* Jacksonville, Vt., Aug. 27, 1877; *s.* F. W. and Mary Anna (Murdock) C.; reared on farm; *m.* Susan Mills Barnhart, Aug. 16, 1905; *c.* Fred M., Leona, Eleanor. B.S., M.S., Univ. Neb., 1904; M.E., 1914; A.E., Ia. State Coll., 1914. Sigma Xi; Sigma Tau; Gamma Sigma Delta.

Chase, Wilbur Darwin, co. agrl. agt., Romulus, N. Y.

b. Hilton, N. Y., Apr. 20, 1892; *s.* Jas. D. and Eunice (Gallup) C.; reared on farm; *m.* Ida E. Anderson, June 5, 1918. B.S., Cornell Univ., 1916. Alpha Gamma Rho.

Chastain, Troy Green, agrst., The Barrett Co., 521-3 Forsyth Bldg., Atlanta, Ga.

Prof. agr., 9th Distr. Agr. Sch., Clarksville, Ga., 2 yrs.; agrst. Ga. Railway Co., Savannah, 4 yrs. Farm operator, 4 yrs. Formerly co. agrl. agt., Atlanta, Ga.—*b.* Cobb Co., Ga., Oct. 7, 1883; *s.* W. T. and Kate (Winn) C.; reared on farm; *m.* Lillian K. Burns, Oct. 19, 1912. B.S.A., Univ. Ga., 1909.

Chatterton, Harry Jamison, dir. agr., S. W. La. Inst., LaFayette, La.

Sci. asst., beef feeding work, U. S. Bur. An. Ind., 1910; teach. agr. and manag. farms., high-schs., La., 1911-7; agrl. agt., Claiborne Parish, La., 1917-9; present position, 1919–.—*b.* Pulaski, Tenn., July 13, 1887; *s.* Aaron J. and Mattie A. (McIntosh) C.; reared on farm; *m.* Arline Ramsey, June 3, 1912; *c.* Edith Ray, Dorothy Ann. B.S.A., Ala. Poly. Inst., 1909.

Cheek, John M., instr. agr., high-sch., Elk Creek, Va.

Princ. high-sch., N. C., 1893-4; teach. English, Appalachian Training Sch., 1904-7; co. supt. schs., Allegheny Co., N. C., 1913-8; present position, 1907-13, 1918–.—*b.* N. C., Feb. 26, 1868; *s.* W. B. and Jane (Edwards) C.; reared on farm; *m.* Olive Virginia Cornett, 1900; *c.* Margaret Virginia, John M. Jr., Ralph Bryant. A.B., Univ. N. C., 1893; Harvard Univ., 1895. Phi Gamma Delta.

Cheyney, Edward Gheen, chief Div. For., Univ. Minn., University Farm, St. Paul Minn.

Asst. for., Univ. Minn., 1905-7; asst. prof., 1907-10; dir. Coll. For., 1910-8; chief Div. For., 1918–. Mem. Minn. State For. Bd.; vice-pres. Minn. State For. Assoc. With Bur. Plant Ind., on white pine blister rust in New England, summer, 1917. *Auth.:* (with Wentling) The Farm Woodlot, 1914; Scott Burton, Forester, 1917. *Ed.*, North Woods Magazine.—*b.* Washington, D. C., Nov. 24, 1878; *s.* R. T. and Lucie Marie (Bolmar) C.; reared in city; *m.* H. Frances Porter, Sept. 11, 1907; *c.* Virginia Brunet, Lucie Marie. A.B., Cornell Univ., 1900; grad. work Yale For. Sch., 1904-5. Sigma Xi; Alpha Zeta.

Chilcott, Ellery Channing, chg. dry land agr. invests., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

U. S. deputy surveyor, 1882-92; stock farmer, Campbell Co., S. D., 1883-92; prof. agr., S. D. Agr. Coll., 1892-7; prof. geol. and agron. and vice-dir., 1897-1905; present position, 1905–. Mem. S. D. Senate, 1892; mem. S. D. State Bd. Agr., 1901-2. Fellow A. A. A. S.—*b.* E. Hamburgh, N. Y., Apr. 8, 1859; *s.* Benj. Franklin and Philenda (Freeman) C.; *m.* Alice Bushley, Jan. 2, 1884. M.S., S. D. State Coll., 1898.

Childs, Leroy, ent. and plant path. and supt. Hood River Branch Exp. Sta., Ore. Agr. Coll., Hood River, Ore.

Research asst. ent., Ore. Agr. Coll., 1914-5; ent., Hood River Exp. Sta., 1915-6; ent., path. and supt., 1916–.—*b.* Alhambra, Calif., Aug. 8, 1888; *s.* Agstus Oliver and Nettie W. (Nye) C.; reared on farm; *m.* Hazel I. Holmes, Dec. 16, 1915; *c.* Leroy Winston, Allison Oliver. A.B., Stanford Univ., 1913. Sigma Xi; Phi Delta Theta.

Childs, Ross Renfroe, assoc. prof. agron. in chg. cotton ind., Univ. Ga., Athens, Ga.

Instr. agron., Univ. Ga., 1913-4; sci. asst. cereal invests., Bur. Plant Ind., U. S. Dept. Agr., 1914–; present position, 1919–. Sec.-treas. Ga. Breeders Assoc. 2d Lieut. Air Serv., U. S. Army, World War.—*b.* Wayside, Ga., Jan. 22, 1888; *s.* Wm. Sumter and Nannie Antonette (Walker) C.; reared on farm. B.S.A., Univ Ga., 1912; M.S.A., 1913.

Chittenden, Alfred Knight, prof. for., Mich. Agr. Coll., E. Lansing, Mich.

Present position, 1914–.—*b.* New Haven, Conn., Oct. 28, 1879; *s.* Russell H. and Gertrude Louise (Baldwin) C.; reared in city; *m.* Lulu Wilcox Brower, 1908. Ph.B., Yale Univ., 1900; M.F., Yale For. Sch., 1902. Sigma Xi; Xi Sigma Pi.

Chittenden, Frank Hurlbut, ent. in chg. truck crop insect invests., Bur. Ent., U. S. Dept. Agr., Washington, D. C.

Asst. ent., U. S. Dept. Agr., 1891-1907; present title, 1917–. Fellow A. A. A. S. *Auth.:* Insects Injurious to Vegetables, 1897. *Ed.*, Entomologica Americana, 1890.—*b.* Cleveland, O., Nov. 3, 1858; *s.* Seth King and Harriet Malvina (Hurlbut) C.; reared in city. Licentiate, Cornell Univ., 1881; hon. Sc.D., Western Univ. Penn. (now Univ. Pittsburgh), 1904.

Chrisman, William George, prof. vet. sci., Va. Poly. Inst., Blackburg, Va.

State vet., N. C., 1909-13; present position, 1913–. Farm operator.—*b.* Harrison, Va., Apr. 22, 1877; *s.* Wm. Joe and Virginia (Gay) C.; reared on farm; *m.* Rachel Carr Eastham, Jan. 30, 1907; *c.* Wm. Geo., Clara Carr. B.S., Va. Poly. Inst.; student Ont. Vet. Coll., Toronto Univ.

Christensen, Frederick Waldemar, prof. an. nutr., N. D. Agr. Coll., Agricultural College, N. D.

Asst. expert an. nutr., Bur. An. Ind., U. S. Dept. Agr., 1904-5; asst. an. nutr., Penn. State Coll., 1905-8, 1909-10; assoc. prof. agrl. chem., N. Mex. A. & M. Coll., 1911-4; nutr. chem., 1914-6; present position, 1916–.—*b.* Randolph, Kans., Jan. 22, 1879; *s.* Niels and Christine Elizabeth (Johnson) C.; reared on farm; *m.* Alma O. Johnson, Sept. 1, 1909; *c.* Chas. Frederick, Arthur Geo., Paul Edward. B.S., Kans. State Agr. Coll., 1900; M.S., Penn. State Coll., 1908; grad. student Yale Univ., 1908-9.

Christie, George Irving, supt. agrl. ext., Purdue Univ., LaFayette, Ind.

Asst. agron., Ia. State Coll., 1903-5; asst. agron., Purdue Univ., 1905-6; present position, 1906–. Adv. mem. State Voc. Educ. Comn., 1911-2; sec. Ind. Corn Growers Assoc.; dir. Nat.

Corn Assoc. State food dir., Ind., 1917–; dir. Summer-Sch. for Teachers, Purdue Univ.; supt. Ind. Agrl. Exhibit, Panama-Pacific Expos., 1915; chm. agrl. com., Ind. Centennial Celebration, 1916; mem. Ind. Comn. on Food Production and Conservation. Asst. sec. agr., U. S. Dept. Agr., 1918-9; mem. Nat. War Labor Policies Bd.; mem. Nat. Com. employment Soldiers and Sailors, 1919; supt. Intern. Grain and Hay Show, 1919.—*b.* Winchester, Ont., June 22, 1881; *s.* David and Mary Ann (Howes) C.; reared on farm; *m.* Ethel Maria Carpenter, June, 1906; *c.* Erminia Margaret. B.S.A., Ont. Agr. Coll., 1902; B.S.A., Ia. State Coll., 1903. Alpha Zeta; Alpha Gamma Rho; Sigma Delta Chi.

Chubbuck, Levi, agrst., N. Glendale, Calif.
Supt. coll. farm, Univ. Mo., 1882-4; assoc. ed., Colman's Rural World, St. Louis, 1885-90; ed., 1898-1902; special insp. for agr., Indian Bur., U. S. Dept. Interior, 1902-8; with U. S. Dept. Agr., 1909–. Sec. Mo. State Bd. Agr., 1890-4. Traveled for U. S. Dept. Agr. in Alaska, 1909 and 1911.—*b.* Lower Bartlette, N. H., Oct. 23, 1856; *s.* Edwin R. and Martha Elizabeth (Stevens) C.; reared on farm; *m.* Josephine Mitchell, Apr. 24, 1895. B.S.A., Univ. Mo., 1882; M.S.A., 1885.

Chubbuck, Manley E., farm supt., Windber, Pa.
Farm bur. agt., Herkimer Co., N. Y. and Chemung Co., 3½ yrs.—*b.* N. Orwell, Pa., Dec. 14, 1889; *s.* Eugene and Jennie (Manley) C.; reared on farm; *m.* Marian Burney, Oct. 1, 1914; *c.* Jas., Jean, Dorothy. B.S.A., Penn. State Coll., 1911. Alpha Zeta; Sigma Chi.

Chupp, Charles, asst. ext. prof. plant path., Cornell Univ., Ithaca, N. Y.
Acting prof. bot., Wabash Coll., 1916-7; instr. plant path., Cornell Univ. 1917-8; asst. ext. prof., 1918–.—*b.* Millersburg, Ind., June 2, 1886. *s.* Levi N. and Margaret (Weaver) C.; reared on farm; *m.* Nora May Scrugham, 1913; *c.* Karl Richard. A.B., Wabash Coll., 1912; Ph.D., Cornell Univ., 1916. Sigma Xi.

Church, James Edward Jr., prof. classics, Univ. Nev. and in chg. Nev. Coop. Snow Surveys, Reno, Nev.
Instr. Latin and German, Univ. Nev., 1892-4; asst. prof. Latin, 1894-5; assoc. prof., 1895-6; prof., 1896-1918; prof. classics, 1918–; founder Mt. Rose Meterological Observatory (now branch Calif. State Dept. Engin.), 1905; meterologist, Nev. Exp. Sta., 1905-19; in chg. Nev. Coop. Snow Surveys, 1919–.—*b.* Holly, Mich., Feb. 15, 1869; *s.* Jas. E. and Mary Alice (Eisenbrey) C.; reared in town; *m.* Florence Humphrey, July 2, 1894; *c.* Willis Humphrey, Donald Eisenbrey. B.S., Univ. Mich., 1892; Ph.D., Univ. Munich, 1901. Phi Beta Kappa; Phi Kappa Phi.

Church, Verne Horace, field agt., U. S. Bur. Crop Estimates, Lansing, Mich.
Farmer and fruit-grower, Ionia Co., Mich., 1892-9; ed. country newspaper, 1900-1; observer, U. S. Weather Bur., 1902-9; sect. dir., 1909-14; stationed at Columbia, S. C., Toledo, O., Chicago, Cheyenne, Wyo., Salt Lake City, Indianapolis; present position, 1914–.—*b.* Lowell, Mich., Sept. 12, 1875; *s.* Eustace Eugene and Elizabeth Ann (Leary) C.; reared on farm; *m.* Cora Louisa Harker, Nov. 10, 1897; *c.* Jessie Eugenia, Geneva Mildred, Verna Harriet, Lawrence Allen.

Clapp, Alfred Lester, with Land Dept., N. Y. Coal Co., Nelsonville, O.
Foreman agron. farm, Kans. State Agr. Coll., 1914-5; manag. ranch, Colo., 1915-6; agt. Morris Co., Kans., 1916-9; present position, 1919–.—*b.* Fort Scott, Kans., Sept. 16, 1889; *s.* Chas. L. and Ida M. (Baker) C.; reared on farm; *m.* Stella Opal Cady, June 7, 1918; *c.* Bonny Lou, Betty Jean. B.S.A., Kans. State Agr. Coll., 1914. Sigma Gamma Delta.

Clapp, Frank L., assoc. prof. educ., Univ. Wis., Madison, Wis.
Prof. sch. adminis., Univ. Colo., 1914-9; present position, 1919–. Dir. sch. surveys, Grand Junction, Colo., Idaho Springs and Archuleta Co.—*b.* Forest Hill, Ind., Aug. 21, 1877; *s.* Elias and Mary Ann (Amick) C.; reared on farm; *m.* Anna Bertha Marmein, 1903; *c.* Donald J., Dale M. A.B., Lincoln Coll., Ill., 1911; A.M., Univ. Ill., 1912; Ph.D., Univ. Wis., 1914. Kappa Delta Pi; Phi Delta Kappa.

Clapp, Raymond Kingsley, agrst., First Nat. Bank, New Haven, Conn.

General farming, 1907-8, 1912-4; agrl. instr. and farm supt., Smith's Agr. Sch., Northampton, Mass., 1914-7; sec. Hampshire Co. Farm Bur., 1916-7; present position, 1917–. (Pom.).—*b.* Westhampton, Mass., Nov. 4, 1889; *s.* Edwin B. and Nelly H. (Kingsley) C.; reared on farm; *m.* Lora E. Buck, Dec. 31, 1914. B.S., Mass. Agr. Coll., 1912. Theta Chi.

Clark, Alexis Luzerne, chief Bur. Markets, N. J. State Dept. Agr., Trenton, N. J.

Foreman Sylvan Hill Fruit Farm, Terryville, Conn., 1905-7; manag. H. S. Coe & Co., wholesale market firm, Waterbury, 1908-10; partner in Clark Bros., wholesale produce, New Britain, 1910; prof. poultry husb., Baron De Hirsch Agrl. Sch., Woodbine, N. J., 1911; instr. poultry husb., Rutgers Coll., 1912-4; also instr. agr., Columbia Univ., 1914; state leader co. agts., Rutgers Coll., 1915; present position, 1916–. Treas. and mem. exec. com. Nat. Assoc. State Marketing Officials.—*b.* Haddam, Conn., July 19, 1883; *s.* Henry H. and Frances (Ventres) C.; reared on farm; *m.* Maude Augusta Potter, 1905; *c.* Frances Elizabeth, Alexis Jr., Oliver. Student Conn. Agr. Coll.

Clark, Arthur William, assoc. chem., N. Y. Agr. Exp. Sta., Geneva, N. Y.

Asst. chem., Penn. Exp. Sta., 1904-5; present position, 1905–. (Insp. commercial feeding stuffs, fertilizers, insecticides).—*b.* Glover, Vt., Aug. 22, 1879; *s.* Wm. F. and Elizabeth (Marston) C.; reared on farm; *m.* Muriel C. Blood, Oct. 6, 1909; *c.* Ruth Elizabeth, Chas. Marston. B.S., Univ. Vt., 1904.

Clark, Charles C., asst. chief Weather Bur., Washington, D. C.

Chg. Bur. Statistics, U. S. Dept. Agr., 1906-7; chief clerk, U. S. Dept. Agr., 1911-4; present position, 1914–. Statistician, Intern. Inst. Agr., Rome, Italy, 1908-10. *Ed.*, Crop Reporter, U. S. Dept. Agr., 1905-7.—*b.* Washington, D. C., Mar. 6, 1875; *s.* Ezra W. and Sylvia (Nodine) C.; reared on farm and in city; *m.* Mary D. Swingle, 1905; *c.* Chas. C. Jr., Robt. Duncan, Mary Elizabeth, Anita. LL.B., Philadelphia Law Sch., 1899; LL.M., Columbia Univ., 1900; D.C.L., 1901.

Clark, Charles Frederick, hort., U. S. Dept. Agr., Washington, D. C.

Asst. agron., Exp. Sta., Cornell Univ., 1906-8; asst. plant-breeding, 1908-10; with U. S. Dept. Agr., 1910–. Fellow A. A. A. S. (Plant-breeding, especially potatoes).—*b.* Glover, Vt., Aug. 13, 1873; *s.* Wm. Frederick and Elizabeth (Marston) C.; reared on farm; *m.* Minnie E. Husser, May 28, 1914. B.S., Univ. Vt., 1897; M.S.A., Cornell Univ., 1907; Ph.D., 1909. Sigma Xi; Sigma Nu.

Clark, Charles Henry, agron., The Albert Dickinson Co., seed merchants, Chicago, Ill.

Asst. agrst., N. D. Exp. Sta., 1909-10; asst. plant-breeder, Ariz. Exp. Sta., 1910-1; asst. in crop acclimatization, cotton breeding, U. S. Dept. Agr., 1911-3; asst. agron. in chg. flax invests., Bur. Plant Ind., U. S. Dept. Agr., 1913-9; present position, 1919–.—*b.* Tower City, N. D., Aug. 6, 1887; *s.* Geo. F. and Emma (Hilton) C.; reared on farm and in town; *m.* Ellen Esther Clark, Sept. 16, 1913; *c.* Philip Warner, Ellen Elizabeth. B.S.A., N. D. Agr. Coll., 1908.

Clark, Elmer Russell, asst. agron., Northwest Sch. and Sta., Crookston, Minn.

Formerly instr. agr., high-sch., LeSueur, Minn. 1st Lieut. Inf., U. S. Army, 1917-8. (Farm crops).—*b.* Okee, Wis., Sept. 17, 1891; *s.* Fred L. and Catherine (Wells) C.; reared on farm. B.S.A., Univ. Wis., 1919. Alpha Zeta; Acacia.

Clark, Ernest McChesney, dairy ext. specialist, Univ. Ill., Urbana, Ill.

With Univ. Ill., 1913-4; manag. stock ranch, Rock Island Co., Ill., 1914; farmer, Cambridge, Ill., 1915-6; present position, 1916–. Dir. Ill. Dairymens Assoc.; dir. Ill. Holstein Assoc. Agrl. tour through Europe, 1913.—*b.* Sherrard, Ill., Aug. 23, 1890; *s.* J. G. and Emma (Engle) C.; reared on farm; *m.* Elsa Louise Steward, July 25, 1919. B.S., Univ. Ill., 1913. Gamma Alpha.

Clark, Floyd Barzilia, prof. econ., Tex. A. & M. Coll., College Station, Tex.

Instr. English, Ga. Sch. of Tech., 1909-11; instr. political sci., Penn. State Coll., 1914-5; asst. prof., 1915-6; present position, 1916–; lect. econ., Univ. Tex., summer, 1919. Traveled in France and England, 1910. *Auth.:* Constitutional Doctrines of Justice Harlan, 1915. —*b.* Chesterfield Co., Va., Sept. 11, 1886; *s.* P. B. and Mattie A. (Belcher) C.; reared on farm and in small town; *m.* Ruth Haines, June 24, 1915. A.M., Richmond Coll., Va., 1908; Ph.D., Johns Hopkins Univ., 1914.

Clark, J. Artemas, supt. Dominion Exp. Sta., Charlottetown, P. E. I.

Lect. farmers insts., P. E. I., 1903-7; asst. to seed comnr., Ottawa, 1908-9; lect. short courses, P. E. I., 1909-18. Pres. P. E. I. Floral Assoc.; vice-pres. Intern. Conference of Poultry Invest. and Instr., 1919. Capt. Canadian Army and head dept. agr., Khaki Univ. of Canada, 1918-9. *Auth.:* Farm Accounts, 1918; Choosing a Farm, 1918. (Agron.). —*b.* Bay View, P. E. I., Aug. 2, 1878; *s.* John C. and Annie Margaret (Simpson) C.; reared on farm; *m.* Wilhelmina A. Toole, Mar. 30, 1910; *c.* Eina Marion. B.S.A., Toronto Univ., 1906.

Clark, Olin Mitchell, assoc. prof. rural educ., Clemson Agr. Coll., Clemson College, S. C.

Asst. prof. agron., Clemson Agr. Coll., 1912-8; assoc. prof. rural educ., 1918–. —*b.* Chapin, S. C., June 22, 1885; *s.* O. P. and Ophelia (Alewine) C.; reared on farm. B.S., Clemson Agr. Coll., 1909; M.S., Cornell Univ., 1918.

Clark, Robert Charles, dean agr., Mt. Morris Coll., Mt. Morris, Ill.

Dairy farmer, 1911-8; present position, 1918–.—*b.* Somonank, Ill., Apr. 29, 1885; *s.* Geo. and Emma (Tomlin) C.; reared on farm; *m.* Elizabeth Snider, Aug. 9, 1910; *c.* Ruth Genevieve, Wilbur Snider. A.B., Mt. Morris Coll., 1911; B.S., Univ. Ill., 1919.

Clark, Robert Fry, prof. econ. and sociol. and pres., Pacific Univ., Forest Grove, Ore.

Prof. foreign languages, Central Coll., 1902-5; princ. Washburn Acad., 1906-11; fellow sociol. and research asst. social tech., Univ. Chicago, 1911-3; assoc. prof. econ. and sociol., Colgate Univ., 1913-4; asst. econ., Univ. Chicago, 1914-5; dean and prof. econ. and sociol., Pacific Univ., 1915-7; acting pres., 1917-9; pres., 1919–. (Rural sociol.).—*b.* Galt. Ont., Feb. 10, 1880 (naturalized 1918); *s.* Robt. A. and Elizabeth (Fry) C.; reared on farm and in city; *m.* Mary Adeline Willard, Oct. 16, 1913; *c.* Elizabeth Mary, Francis Willard, Florence Alberta. A.B., Central Coll., 1901; Oberlin Coll., 1902; A.M., Univ. Chicago, 1906.

Clark, Robert Samuel, co. agrl. agt., Huntingdon, Pa.

b. Quakertown, Pa., Sept. 3, 1896; *s.* David M. and Anna (Bean) C.; reared on farm. B.S., Penn. State Coll., 1918. Alpha Zeta; Phi Kappa Phi.

Clark, William Darrow, prof. for., Mass. Agr. Coll., Amherst, Mass.

Instr. and asst. prof. for., Penn. State Coll., 1909-12; present position, 1912–. —*b.* Rahway, N. J., May 27, 1877; *s.* Chas. H. and Harriet Newel (Crowel) C.; reared on farm and in city; *m.* Emma A. McFeely, Mar. 28, 1912; *c.* Elinor Elizabeth. A.B., Yale Univ., 1904; M.F., 1909.

Clarke, Virgil Vincent, co. agrl. agt., Plymouth, Ind.

b. Edinburg, Ind., Mar. 20, 1894; *s.* T. Curtis and Frances (Barlow) C.; reared on farm. B.S.A., Purdue Univ., 1917.

Clarke, Warren Thompson, prof. agrl. ext., Univ. Calif., Berkeley, Calif.

Asst. ent. and asst. supt. farmers insts., Univ. Calif., 1903-6; prof. ent., Ala. Poly. Inst., 1906-7; prof. hort. and supt. farmers inst., Univ. Calif., 1907-12; prof. agrl. ext., 1912–.—*b.* San Francisco, Calif., Mar. 15, 1863; *s.* Chas. R. and Marie Louise (Thompson) C.; reared in town and country; *m.* Elizabeth Agnes Allen, Dec. 22, 1885; *c.* Allen Louis, Dorothy Ward, Elizabeth Anna, Catherine, Chas. B.S., Univ. Calif., 1903. Sigma Xi.

Class, Charles Frederick, co. agrl. agt., Lebanon, O.

Instr. sci. and agr., Elgin Acad., Ill., 1913-4; princ. and instr. sci. and agr.,

high-sch., Vandalia, O., 1914-8; present position, 1918–. (Dairying).—*b.* Miami Co., O., Feb. 1, 1888; *s.* Philip F. and Minnie E. C.; reared on farm; *m.* Edith Jackson, Dec. 1, 1917. B.S. Agr., Ohio State Univ., 1913.

Clausen, Roy Elwood, asst. prof. genetics, Univ. Calif., Berkeley, Calif.

Instr. genetics, Univ. Calif., 1914-6; asst. prof., 1916–. Served in U. S. Army, 1917-9. *Auth.:* (with E. B. Babcock) Genetics in Relations to Agriculture. (Research in maize, tobacco and Drosophila).—*b.* Randall, Ia., Aug. 21, 1891; *s.* Jens and Mathilda (Christianson) C.; reared on farm; *m.* Mae Winifred Falls, July 19, 1916. B.S., Okla. A. & M. Coll., 1910; B.S., Univ. Calif., 1912; Ph.D., 1914. Sigma Xi; Alpha Zeta.

Clausen, Theodore Barton, co. agrl. agt., Court House, Schenectady, N. Y.

Farmer and stockman, 2 yrs.; manag. cow testing assoc., 2 yrs. Pres. N. Y. State Dairy Students Butter and Cheesemakers Assoc., 1916-8. 2d Lieut., U. S. Army, 1918.—*b.* Hoboken, N. J., Nov. 30, 1894; *s.* Bernard and Mary (Chancellor) C.; reared in town; *m.* Mildred Taber, Aug. 27, 1917. Grad. N. Y. State Sch. Agr., Alfred Univ., 1914.

Claybaugh, Joseph Harrison, co., agrl. agt., Clay Center, Neb.

Instr. agr., Fairfield, Neb., 1914-6; Sioux Co. high-sch., 1916-7; asst. state club leader, Univ. Neb., 1917-8; agt. Clay Co., 1918–. (Poultry and swine husb., agron.).—*b.* Emmerson, Ia., Apr. 27, 1889; *s* Mathew S. and Mary E. (Moore) C.; reared on farm; *m.* Helen Krause, Aug. 12, 1916. B.Sc., Bellevue Coll., 1912; Univ. Neb., 1914.

Cleaton, Lucie, home dem. agt., Dinwiddie, Va.

Teach. country schs., 26 yrs.; home dem. agt., 1912–. ((Canning, poultry, garden).—*b.* Church Road, Va., Feb. 24, 1865; *d.* Robt. Jas. and Susan (Wharton) C.; reared on farm. Student Univ. Va. and Peabody Coll.; teach. certificate, Univ. Va., 1912.

Cleeves, Edward Warren, co. agrl. agt., Warrensburg, N. Y.

Dairy and poultry farming, 9 yrs.—*b.* Meadowbrook, N. Y., Aug. 15, 1882; *s.* Wm. A. and Susie E. (White) C.; reared on farm; *m.* Clara B. Dubbstadt, Jan. 12, 1910; *c.* Wm. Geo., Mary. B.S.A., Cornell Univ., 1907.

Cleland, Gilbert Lynn, live-stock supt., Tippah Farms, Cotton Plant, Miss.

Teach. agr., Chase Co. High-Sch., 1914-5; Clay Center, Kans., 1915-6; sci. asst., U. S. Dept. Agr., 1916-9, chg. exptl. work with beef cattle, Canton, Miss., 1917-8, live-stock ext., Miss. A. & M. Coll., 1918-9; present position, 1919–. Cadet Marine Reserve Flying Corps, U. S. Army. (Beef cattle, swine).—*b.* Alma, Kans., Dec. 10, 1892; *s.* Frank Laurence and Charlotte Elizabeth (Jordan) C.; reared on farm. B.S., Kans. State Agr. Coll., 1914. Delta Tau Delta.

Cleland, Spencer B., asst. co. agt. leader, Univ. Minn., University Farm, St. Paul, Minn.

Farm manag. dem., Univ. Minn., 1914-6; present position, 1916–.—*b.* Waseca, Minn., Dec. 20, 1886; *s.* Jas. W. and Amanda (Conner) C.; reared on farm; *m.* Hazel Boss, Aug. 28, 1919. B.S., Univ. Minn., 1914. Alpha Zeta.

Clemens, Ralph Hagey, agrl. rep., Arthur, Ont.

Drainage dem., Ont. Agr. Coll., 1912-3; agrl. rep., Waterloo Co., 1914; supt. Monteith Dem. Farm., New Ontario, 1915-7; agrl. rep., Wellington Co., 1918–.—*b.* Galt, Ont., July 17, 1885; *s.* Wm. Henry and Amelia (Hagey) C.; reared on farm. B.S.A., Ont. Agr. Coll., 1912.

Clement, Fred Moore, prof. hort., Univ. B. C., Vancouver, B. C.

Agrl. rep., Elgin Co., Ont., 1911-2; lect. hort., Macdonald Coll., 1912-4; dir. Exp. Sta., Vineland, Ont., 1914-6; present position, 1916–. Sec.-treas. B. C. Fruit Growers Assoc.—*b.* Virgil, Ont., Nov. 21, 1884; *s.* John Putnam and Lily E. (Zimmerman) C.; reared on farm; *m.* Florence Wegernart, Aug. 19, 1913; *c.* Paul Wilfrid. B.S.A., Ont. Agr. Coll. and Univ. Toronto, 1911.

Clement, Peter Ernest, manag. Clay Co. Coop. Certified Seed Potato Growers Assoc., Moorehead, Minn.

Princ. high-sch. and supt. public schs., Wis., Neb. and Wyo., 1900-12; formerly co. agt., Moorhead, Minn.; asst. co. agt. leader, Univ. Minn.—*b.* Clinton Co., Ia., May 17, 1873; *s.* Benj. and Eliza (Lippincot) C.; reared on farm; *m.* Ora A. Crandall, Aug. 14, 1904; *c.* Ruth Helene, Ernest Crandall. A.B., Milton Coll., Wis., 1900; B.S.A., Colo. Agr. Coll., 1913; A.M., Milton Coll., 1914.

Clements, Charles Conant, farmer, Winterport, Me.

Pres. Me. State Pom. Soc.; clerk and treas., Farmers Union of Me. (Orchard manag.).—*b.* Winterport, Me., Jan. 22, 1876; *s.* Geo. Henry and Clara (Conant) C.; reared on farm; *m.* Eda Young, Dec. 22, 1900; *c.* Doris Lillian, Norris Chas., Helen Caroline.

Clemons, Howard H., co. agrl. agt., McCook, Neb.

Sergeant 209th Engin., U. S. Army, 1918-9.—*b.* Clemons, Ia.; *s.* Henry P. and Martha A. (Garrett) C.; reared on farm. B.S., Ia. State Coll., 1918.

Cleveland, Clarence Rugg, asst. prof. econ. ent., N. H. Coll., Durham, N. H.

Asst. ent., N. H. Exp. Sta., 1915; asst. econ. ent., N. H. Coll., 1915-6; instr., 1916-8; asst. prof., 1918-.—*b.* Seward, Ill., Aug. 27, 1889; *s.* Albert W. and Fransula L. (Rugg) C.; reared on farm; *m.* Helen M. West, Oct. 5, 1912; *c.* Fransula Elaine. Clarence West. B.A., Univ. Wis., 1912. Lambda Chi Alpha.

Cleveland, Noah Alexander, teach. agr., high-sch., Falfurrias, Tex.

b. Eastman, Miss., July 13, 1885; *s.* Jas. Eduard and Martha (Funderburk) C.; reared on farm; *m.* Exie McCollum, Dec. 24, 1914; *c.* Vivone. B.S., E. T. N. Coll., 1910.

Click, William Daniel, co. agrl. agt., Hamilton, W. Va.

Teach. agr., Nicholas Co. High-Sch., Summersville, W. Va., 1914-8 and co. agrl. agt.; agt. Lincoln Co., 1918-.—*b.* Kirby Knob, Ky., Feb. 22, 1889; *s.* Daniel M. and Elvira (Hatfield) C.; reared on farm; *m.* Nell Ross Kirkpatrick; *c.* Nell Jones. Grad. Berea Coll.

Cline, Ambrose Schenck, asst. dir., Branch Exp. Sta., Wenona, N. C.

2d Lieut. Inf. O. R. C., U. S. Army, 1918. (Rural sociol.).—*b.* Belwood, N. C., Mar. 4, 1890; *s.* David M. and Sarah A. (Carpenter) C.; reared on farm. B.S.A., N. C. State Coll., 1917.

Cline, Isaac Monroe, distr. forecaster, U. S. Weather Bur., 1615 Prytania St., New Orleans, La.

Instr. med. climatology, Univ. Tex., 1896-1901; 1889-90 organized Tex. Weather Serv. and in 1899 and 1900 inaugurated flood warning serv. on Colorado and Brazos Rivers, Tex.; in 1894 introduced into U. S. Weather Bur. forecasting of minimum temperatures for use of sugar-planters and truck-growers to protect crops; established special meteorological stas. on Mexican Gulf Coast and Yucatan, 1898, for Weather Serv. in connection with Spanish-Amer. War. Del. to Second Pan-Amer. Sci. Congress, Washington, 1915-6. Ed. and pub., Abilene, Tex., Reporter, 1887-8.—*b.* near Madisonville, Tenn., Oct. 13, 1861; *s.* Jacob Leander and Mary Isabel (Wilson) C.; reared on farm; *m.* Cora May Ballew, Mar. 17, 1887 (d. 1900); 2d, Margaret C. Hayes, Aug. 5, 1902; *c.* Allie M. (Mrs. E. E. B. Drake), Rosemary (Mrs. V. Williams), Esther Ballew (Mrs. Albert A. Jones). B.A., Hiwassee Coll., Tenn., 1882; M.D., Ark. Univ., 1885; Ph.D., Tex. Christian Univ., 1896.

Clinton, George Perkins, bot., Conn. Exp. Sta., New Haven, Conn.

Asst. bot., Univ. Ill. and Exp. Sta., 1890-1900; present position, 1902-; bot. Conn. State Bd. Agr., 1902-. Vice-pres. Sect. G., A. A. A. S., 1914; pres. Amer. Phytological Soc., 1913. Sent by Harvard Univ. to Japan to study economic fungi and by U. S. Dept. Agr. to Porto Rico. Editorial bd., Phytopathology, 1917-.—*b.* Polio, Ill., May 7, 1867; *s.* John W. and Carrie A. (Perkins) C.; reared in small city; *m.* Anna J. Lightbody, Aug. 9, 1892; *c.* Harry L. B.S., Univ. Ill., 1890; M.S., 1894; M.S., Harvard Univ., 1901; Sc.D., 1902. Sigma Xi.

Clinton, Louis Adelbert, dir. agrl. ext., Rutgers Coll. and State Univ. of N. J., New Brunswick, N. J.

Asst. to dir., Mich. Exp. Sta., 1890-3; asst. agrst., Clemson Agr. Coll., 1893-5; asst. agrst., Cornell Exp. Sta., 1895-1902; dir. Storrs Exp. Sta. and prof. agr., Conn. Agr. Coll., 1902-12; agrst. and asst. chief, Off. of Ext. North and West, U. S. Dept. Agr., 1912-8; present position, 1918-. Pres. Amer. Soc. Agron., 1912-3. (Sociol. and rural organization). —*b.* Grand Rapids, Mich., Feb. 13, 1868; *s.* F. H. and Rhody Ann (Allen) C.; reared on farm; *m.* Florence A. Seage, Sept. 16, 1892; *c.* Ruth, Ruby, Olive. B.S., Mich Agr. Coll., 1889; M.S., 1902.

Clore, Leonard B., treas. and dir. Fed. Land Bank, Louisville, Ky.

Co. agrl. agt., La Porte, Ind. Mem. State Bd. Agr.; mem. Ind. State Legislature. Del. to Farmers Nat. Congress. Received medal on corn, Paris Expos.; grand prize, St. Louis Expos.; two grand prizes Nat. Corn Expos. Originator "Johnson Co. White Dent" seed corn.—*b.* Franklin, Ind., Apr. 24, 1866; *s.* John and Eliza (Uterback) C.; reared on farm; *m.* Ola O. Clore, Sept. 24, 1889; *c.* Roy D.

Close, Charles Phillip, pom., U. S. Dept. Agr., Washington, D. C.

Asst. hort., N. Y. State Exp. Sta., Geneva, 1895-9; hort., bot., ent., Utah Agr. Coll., 1899-1901; hort., Del. Coll., 1901-7; hort., Md. Agr. Coll., 1907-11; present position, 1911-. Sec.-treas., Amer. Soc. for Hort. Sci., 1907-.—*b.* New Buffalo township, Mich., Jan. 21, 1868; *s.* Chas. and Caroline (Kobelin) C.; reared on farm; *m.* Margaret Whyte Blandy, Oct. 11, 1906. B.S., Mich. Agr. Coll., 1895; M.S., 1897.

Clough, Robert Samuel, co. agrl. agt., Benton, Ky.

Princ. schs., Holliday, Mo., 1909-11; supt. city schs., Queen City, Mo., 1912-5; short course asst. vet. sci., Univ. Mo., 1917.—*b.* Wyaconda, Mo., July 7, 1888; *s.* Geo. and Ida May (Wilson) C.; reared on farm; *m.* Lulu Mary Casper, June 22, 1917. B.S.A., Univ. Mo., 1917.

Cloyd, David McNutt, co. agrl. agt., Warrenton, Va.

Asst. bact. and an. husb., Va. Poly. Inst., 1905; farmer, 1905-17.—*b.* Dublin, Va., Sept. 2, 1883; *s.* David McNutt and Mary Buford (Langhorne) C.; reared on farm; *m.* Manie Elizabeth Guthrie, Aug. 7, 1907; *c.* Lelia Langhorne, David McNutt, Jas. Guthrie. B.S., Va. Poly. Inst., 1904.

Cobb, Cully Alton, ed. Southern Ruralist, 116 E. Hunter St., Atlanta, Ga.

Supt. agrl. high-sch., Buena Vista, Miss., 2 yrs.; from asst. state agt. to asst. dir. ext., Miss. A. & M. Coll., 1910-9; state insp. agrl. high-schs., Miss., 1910-3. Pres. Miss. Corn Improvement Assoc.; dir. Miss. Duroc Breeders Assoc.; dir. Miss. Sweet Potato Growers Assoc.; hon. dir. Miss. State Fair.—*b.* Prospect, Tenn., Feb. 25, 1884; *s.* Napoleon Bonaparte and Agnes (Woodward) C.; reared on farm; *m.* Byrdie Ball, 1910; *c.* Cully A. Jr. B.S., Miss. A. & M. Coll., 1908.

Cobb, Herbert Nelson, co. agrl. agt., Wilkes-Barre, Pa.

Asst. expl. agron., Penn. State Coll., 1914; asst. instr., 1913-4; ext. rep. Luzerne Co., 1914-.—*b.* Factoryville, Pa., Sept. 12, 1890; *s.* Nelson G. and Hannah D. (Sickler) C.; reared on farm. B.S., Penn. State Coll., 1914. Alpha Zeta; Phi Kappa Phi.

Cobb, Nathan Augustus, agrl. tech., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Teach. public schs., Spencer, Mass., 1877-8; prof. chem. and nat. sci., Williston Sem., Mass., 1881-7; appointee British Assoc. Adv. Sci., Naples Zool. Sta., 1888-9; prof. biol., Sydney Univ., New S. Wales, 1890-1; path., Dept. Agr., New S. Wales, 1891-8, 1901-4; manag. Wagga Exp. Farm, 1897-8; agrl. comnr., New S. Wales to Europe and U. S., 1898-1901; dir. div. physiology and path., Hawaiian Sugar Planters Exp. Sta., Honolulu, 1904-7; present position, 1907-; acting asst. chief, Bur. Plant Ind., 1911-. (Tech. of growth and manufacture of food and fibre materials).—*b.* Spencer, Mass., June 30, 1859; *s.* Wm. H. and Jane A. (Bigelow) C.; *m.* Alice Vara Proctor, Aug. 8, 1881. B.Sc., Worcester Poly. Inst., 1881; Ph.D., Univ. Jena, 1888.

Coburn, Foster Dwight, sec. Kans. State Bd. Agr., Topeka, Kans.

Ex-pres. Bd. Regents, Kans. State Agr. Coll.; chief live-stock dept., La. Purchase Expos.; pres. Kans. State Temperance Union, 5 yrs., and treas., 10 yrs. *Auth.:* Swine Husbandry, 1877; Alfalfa, 1903; The Book of Alfalfa, 1910; Swine in America, 1915. Formerly ed. Live-Stock Indicator; on editorial staff Kansas Farmer, Missouri Valley Farmer, Farmers' Mail and Breeze, Country Life in America. Served in Civil War in 62d and 135th Ill. regiments.—*b.* Jefferson Co., Wis., May 7, 1846; *s.* E. W. and Mary Jane (Mulks) C.; reared on farm; *m.* Lou Jenkins, Sept. 1869; *c.* Tina Louise, Gertrude, Clay E. A.M. (hon.), Baker Univ.; LL.D., Kans. State Agr. Coll.

Cochel, Wilber Andrew, Amer. Shorthorn Breeders Assoc., Manhattan, Kans.

Asst. an. husb., Purdue Exp. Sta., 1905-6; assoc., 1906-10; prof. an. husb., Penn. State Coll., 1910-2; prof. an. husb., Kans. State Agr. Coll., 1912-8; present position, 1918–. Pres. Amer. Soc. of An. Production; pres. Federated Meat Producers Assoc.; adv. com. on beef cattle, U. S. Food Adminis. Fellow Amer. Acad. Sci.—*b.* Tipton, Mo., Aug. 7, 1877; *s.* Wm. Henry and Charlotte (Calvin) C.; reared in country town; *m.* Caroline Fahnestock, Oct. 1, 1908. A.B., Univ. Mo., 1897; B.S., 1905. Sigma Xi; Alpha Zeta; Phi Kappa Phi; Gamma Sigma Delta.

Cochrun, James Lee, field agt., U. S. Bur. Crop Estimates and chief Ohio Bur. Agrl. Statistics, Federal Bldg., Columbus, O.

Deputy gov., Dept. Mindanao, Philippines, 1912-3; field agt., Bur. Crop Estimates, 1914–; chief O. Bur. Agrl. Statistics, 1919–. From 2d Lieut. to Capt., Philippine Constabulary, 1906-13 (received medal for valor); from Capt. to Lieut-Col., U. S. Army, 1917-9 (received British D. S. O.). (Agrl. statistics).—*b.* Spencerville, O., Sept. 16, 1885; *s.* Jasper Lee and Catherine Belle (Carmean) C.; reared on farm; *m.* Lela Meredith Purdy, July 13, 1914; *c.* Betty Ann, Jas. L. Jr. Student Ohio Wesleyan Univ., 1902-5. Phi Kappa Psi.

Cocke, Randolph Preston, supt. Agr. Exp. Sta., Lightfoot, Va.

Mem. Bd. Visitors, William and Mary Coll. (Alfalfa).—*b.* Powhatan Co., Va., Sept. 3, 1884; *s.* T. L. P. and Mary (Curtis) C.; reared on farm; *m.* Christine McRae, June 14, 1911; *c.* Duncan McRae, Mary Curtis, Thos. Preston. B.S., Va. Poly. Inst., 1906.

Cockerham, John Harrison, farmer, Luella, La.

Pres. La. Shorthorn Breeders Assoc., 1918–; pres. La. Livestock Assoc., 1919–; pres. Southern Cattlemens Assoc., 1920; mem. State For. Adv. Bd. (Pigs and Shorthorn cattle).—*b.* Luella, La., Jan. 10, 1892; *s.* John W. and Luella Elizabeth (Harrison) C.; reared on farm. B.S., La. State Univ., 1913.

Cockerham, Kirby Lee, sci. asst., U. S. Dept. Agr., Ocean Springs, Miss.

Princ. high-schs., Tylertown and Saucier, Miss., 1915-6; ext. ent. in truck crop insects, Miss., 1917-8; ent. in chg. sweet potato weevil eradication in Miss. and Ala., 1919–. *Auth.:* (with T. E. Hand) The Sweet Potato, 1920. (Truck crop insects).—*b.* Aberdeen, Miss., Mar. 12, 1893; *s.* George and Lula (Hollingsworth) C.; reared on farm. B.Sc., Miss. A. & M. Coll., 1914; M.Sc., Ohio State Univ., 1917.

Coen, Edward Emanuel, co. agrl. agt., El Dorado, Ark.

Teach. agr., high-sch., Natchitoches Parish, La., 1 yr.; Tishomingo, Miss. 1 yr.; instr. farm crops, Tex. A. & M. Coll., 1 yr.—*b.* Hoboken, N. J., Mar. 22; 1888; *s.* Chas. and Jennie (Franklin) C.; reared on farm. B.S.A., Miss. A. & M. Coll., 1911.

Coffey, George Nelson, state leader co. advs., Univ. Ill., Urbana, Ill.

Bur. Soils, U. S. Dept. Agr., 1900-11; Ohio Exp. Sta., 1911-5; asst. state leader co. advs., Univ. Ill., 1915-7; state leader, 1917–.—*b.* Patterson, N. C., Jan. 17, 1875; *s.* Elijah and Mary Ann (Nelson) C.; reared on farm; *m.* Clara Kean, Apr. 22, 1914. Ph.B., Univ. N. C., 1900; M.S., Geo. Washington Univ., 1908; Ph.D., 1911.

Coffey, Joel Simmonds, prof. an. husb., Ohio State Univ., Columbus, O.

Instr. an. husb., Purdue Univ., 1912-4; lect., Univ. Ia., summers, 1913-4; present position, 1914–. Farm operator, 2 yrs. (Swine husb.).—*b.* Rugby, Ind., Dec. 8, 1884; *s.* Calvin Allen and Josephine (Simmonds) C.; reared on farm. B.S., Univ. Ill., 1912. Alpha Zeta.

Coffey, Ralph Thompson, teach. agr. and princ. E. Corinth Acad., E. Corinth, Me.

Manag. Corinth Apple Products Co. 1st Lieut., U. S. Army, 1917-9; served with A. E. F.; dir. agrl. educ., Amer. Army Occupation, Germany. (Applegrowing).—*b.* Orono, Me., Nov. 6, 1891; *s.* Wm. H. and Maria J. (Thompson) C.; reared on farm; *m.* Marian E. McNamara, Aug. 4, 1917. B.S., Univ. Me., 1914. Theta Chi.

Coffey, Walter Costella, prof. sheep husb., Univ. Ill., Urbana, Ill.

Instr. sheep husb., Univ. Ill., 1906-7; assoc., 1907-10; asst. prof., 1911-3; prof., 1913–. Special agt. Tariff Bd. under Pres. Taft, 1911. *Auth.:* Productive Sheep Husbandry, 1918.—*b.* Hartsville, Ind., Feb. 1, 1877; *s.* Calvin Allen and Josephine (Simmonds) C.; reared on farm; *m.* Jennie C. Lardner, Aug. 14, 1907; *c.* Lardner Allen, Walter C. Jr. B.S., Univ. Ill., 1906; M.S., 1909. Sigma Xi; Alpha Zeta; Sigma Alpha Epsilon.

Coffin, George Peabody, ext. poultry husb., U. S. Bur. An. Ind. and Conn. Agr. Coll., Storrs, Conn.

Mem. Me. State Legislature, 1915-6, 1917-8. Pres. Me. State Poultry Assoc. *Assoc. ed.*, Turf, Farm and Home, Waterville, Me., 1894-9; ed. and pub. Eastern Poultryman.—*b.* Freeport, Me., June 21, 1869; *s.* Orrin D. and Caroline W. (Corliss) C.; reared on farm; *m.* Mary Blaisdell, June 24, 1897; *c.* Margaret B., Robt. L., Richard O., Emily H. Grad. Androscoggin Business Coll., 1889.

Coffin, Roscoe Calvin, asst. state sec. Y. M. C. A., Minneapolis, Minn.

Dept. supt., Minn. State Agr. Soc. Mem. Bd. Trustees of Penn. Coll. Sec. Co. Y. M. C. A., 6 yrs. (Rural sociol.). —*b.* Pleasant Plain, Ia., Sept. 23, 1876; *s.* Jeremiah and Martha Ann (Bray) C.; reared on farm; *m.* Isabella Reid, Aug. 5, 1914; *c.* Wilbur Reid, Gordon Reid. B.S., Penn. Coll., Oskaloosa, Ia., 1905; M.A., 1912.

Coglon, Roger Brandt, co. agt. leader, Wash. State Coll., Pullman, Wash.

Asst. distr. rep., Ont. Co., Ont., 1910; ext. lect., Univ. Sask., 1911; state seed comnr., Ida., 1912-3; state leader co. agrsts., Ida., 1913-4; co. agt., Eugene, Ore., 1914-6; present position, 1916–. Del. from Ida. to Intern. Dry-Farming Congress, Lethbridge, Canada, 1912. Sec. Ida. Seed Growers Assoc., 1912-4. —*b.* Kingston, Ont., Feb. 22, 1888 (naturalized 1917); *s.* I. I. and Mary C. (Orser) C.; reared on farm; *m.* Hazel L. Frye, Sept. 2, 1913. B.S.A., Univ. Toronto, 1911.

Cogswell, Prescott Franklin, fruit-grower, El Monte, Calif.

Walnut and orange grower, 37 yrs. Trustee, Univ. S. Calif.; mem. State Land Settlement Bd.; vice-pres. Los Angeles Co. Farmers Mutual Fire Insurance Co.—*b.* Thornesford, Ont., Oct. 23, 1859; *s.* Asa Hawley and Mary (Allen) C.; reared on farm; *m.* Jane Belcher, July 5, 1885; *c.* Frederick Allen, Harold Goldsmith, Irene. Student Albert Univ., 2 yrs.

Cohagen, Orval Austin, advertising manag., Nor'West Farmer, Winnipeg, Man.

Assoc. ed., Nor'West Farmer, 1907-12; advertising manag., 1912–.—*b.* Dow City, Ia., Apr. 23, 1884; *s.* S. L. and Martha (Jay) C.; reared on farm; *m.* Clara Abegg, Sept. 14, 1911; *c.* Wm. Jay, Myra Elizabeth, John Robson. B.S.A., Ia. State Coll., 1907. Alpha Zeta.

Cohill, Edmund P., fruit-grower, Hancock, Md.

Private sec. to Geo. M. Ball, Empire Transportation Co., Philadelphia, 1875; cashier, Empire Transportation Co., Baltimore, 1876-7; general farming, 1881-1902; organized Tonoloway Orchard Co., 1902. Pres. Md. Hort. Soc., 1905-6; pres. Eastern Fruit Growing Assoc., 1918; pres. Md. Agr. Soc., 1919; del. to Amer. Farm Bur. Fed., 1919. (Apples).—*b.* Elmira, N. Y., Dec. 3, 1855; *s.* Andrew A. and Mary Jane (Mapes) C.; reared on farm; *m.* Mary Ellen Rinehart, Dec. 23, 1876; *c.* Rinehart, Louise, Leo, Wm. Andrew, Luella.

Coit, John Eliot, prof. citriculture, Univ. Calif., Berkeley, Calif.

Assoc. prof. hort., Univ. Ariz., 1907-9; asst. prof. pom., Univ. Calif., 1909-12; assoc. prof. pom. and supt. Citrus Exp. Sta., 1911-2; prof. citriculture, 1912–; farm adv., Los Angeles Co., 1918-9. Fellow A. A. A. S. Dir. Calif. Avocado Growers Soc. *Auth.:* Citrus Fruits, 1915. (Citriculture, ficiculture, semi-tropical pom.).—*b.* San Antonio, Tex., Mar. 9, 1880; *s.* Wm. Henry and Anna Maria (Summerell) C.; reared in city and truck farm; *m.* Emilie A. Hanna, Aug. 7, 1907; *c.* Eleanor M., Frances Eliot, Lucy Catherine Moore. B.Agr., N. C. A. & M. Coll., 1903; M.S.A., Cornell Univ., 1905; Ph.D., 1907. Sigma Xi; Gamma Alpha.

Cokeley, Harlin Rex, co. agrl. agt., Moorefield, W. Va.

Instr. an. husb., W. Va. Univ., 1917. —*b.* Harrisville, W. Va., June 13, 1891; *s.* E. E. C.; reared on farm; *m.* Clara S. McMillen, June, 1917. B.S.A., W. Va. Univ. 1917. Kappa Sigma.

Coker, David Robert, plant-breeder, seedsman, cotton dealer, Hartsville, S. C.

Pres. J. L. Coker Co., merchants; pres. Coker Cotton Co.; pres. Pedigreed Seed Co.; dir. Fed. Reserve Bank of Richmond. Mayor Hartsville, 1902-4; chm. S. C. Council Defense, 1917-9; Fed. Food Adminis., 1917–; trustee, Univ. S. C. Mem. Nat. Agrl. Adv. Com., 1917-8; mem. Nat. Agrl. Comn. to Europe, 1918; pres. S. C. Plant Breeders Assoc.—*b.* Hartsville, S. C., Nov. 20, 1870; *s.* Jas. Lide and Susan A. (Stout) C.; reared on farm; *m.* Jessie Ruth Richardson, Sept. 12, 1894; 2d, Margaret May Roper, Aug. 25, 1915; *c.* Katherine, Hannah Eleanor, Robt., Samuel, Martha. A.B., Univ. S. C., 1891.

Coker, Wesley Terry, co. agrl. agt., Sylacauga, Ala.

b. Millerville, Ala., Feb. 19, 1861; *s.* M. J. and Tanner (Murae) C.; reared on farm; *m.* Martha J. Musser, Feb. 2, 1882; *c.* Claudia E., Marion P., Clara T., Marcus L., Morris W., Clide N., Clanys J., Clio P.

Colburn, Arthur W., farmer and breeder Holstein-Friesian cattle, Dracut, Mass.

Local officer and rep. General Court of Mass., 1915-6; Senator, 1917-9.—*b.* Dracut, Mass., Dec. 1, 1877; *s.* Selden and Jane Lambert (Murkland) C., reared on farm; *m.* Mabel L. Wilcox; *c.* Ruth L., Robt. T., Hazel A., Marjorie W. B.S., N. H. Coll., 1897.

Colcord, Mabel, librarian, Bur. Ent., U. S. Dept. Agr., Washington, D. C.

Acting librarian, State Univ. of Ia., 1903-4; present position, 1904–. (Bibliography of econ. ent.).—*b.* Boston, Mass., Dec. 24, 1872; *d.* Samuel Marshall and Elisabeth (Rodman) C.; reared on farm. A.B., Radcliffe Coll., 1895; student N. Y. State Library Sch., 1902.

Cole, A. H., co. agrl. agt., Merrill, Wis.

Princ. high-sch., Oakwood, Wis., Sheboygan, Lincoln Co. Normal Sch.; city supt., Rice Lake. (Live-stock).—*b.* Hampden, Wis., July 26, 1871; *s.* Dewitt C. and Rhoda (Brace) C.; reared on farm; *m.* Minnie Bruins, Nov. 29, 1900: *c.* Lydon B., Malcolm B. Ph.B., Univ. Wis.

Cole, Charles Arthur, co. agrl. agt., Court House, Tacoma, Wash.

Asst. hort., Ore. Agr. Coll., 1907-8; instr., 1908-9; asst. prof. pom., 1910; field hort., Lewiston Land and Water Co., Ida., 1911-6; agrl. agt. Pierce Co., Wash., 1916–. (Hort.).—*b.* Mo., Dec. 14, 1879; *s.* Jas. W. and Mary J. C.; reared on farm; *m.* Bessie G. Danneman, Dec. 10, 1910; *c.* Mary Louise, Jas. Arthur. B.S.A., Univ. Mo., 1906; M.S., 1907.

Cole, James Wofford, agrl. distr. club agt., U. S. Dept. Agr. and Univ. Ga., Americus, Ga.

Teach. country schs., Paulding, Ga., 1900-11; cashier, Commercial Savings Bank, Dallas, Ga., 1911-2; head dept. English, Third Distr. A. & M. Sch., Americus, Ga., 1912-8; lect. teach. insts., 1918-9; present position, 1919–. Lect. U. S. Army camps, 1919.—*b.* Dallas, Ga., Nov. 29, 1878; *s.* Henry R. and Elizabeth C. (Moody) C.; reared on farm; *m.* Myrtie Caldwell, June 29, 1911; *c.* Thos. Wofford. Grad. State Normal Sch., Athens, Ga., 1908; student Univ. Va., Univ. Ga.

Cole, John Selden, agrst., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.
Special agt., U. S. Dept. Agr., 1903-5; asst. agrst. in chg. agron., S. D. State Coll., 1905-8; present position, 1908–. —*b.* Cincinnatus, N. Y., Nov. 19, 1878; *s.* Harley and Mercy Ann (Fisk) C.; reared on farm; *m.* Beatrice Lightfoot, Sept. 17, 1903; *c.* Selden D., Arthur W., Geo. L. B.S., S. D. State Coll., 1903.

Cole, Leon Jacob, prof. genetics, Univ. Wis., Madison, Wis.
Chief div. an. path. and breeding, R. I. Exp. Sta., 1906-7; acting chief, 1907-8; instr. zool., Sheffield Sci. Sch., Yale Univ., 1907-10; assoc. prof. expl. breeding, Univ. Wis., 1910-4; prof., 1914-8; prof. genetics, 1918–. Invest. U. S. Bur. Fisheries, summers, 1901-6. Fellow Amer. Acad. Arts and Sci.; mem. council Intern. Assoc. Poultry Instrs. and Invests., 1912-9. Mem. Harriman Alaska Exped., 1899; Bermuda, 1903; zool. exped., Yucatan, 1904; traveled in Europe, 1911. (An. breeding).—*b.* Allegany, N. Y., June 1, 1877; *s.* Elisha Kelley and Helen Marion (Newton) C.; reared in city and on farm; *m.* Margaret Belcher Goodenow, Aug. 28, 1906; *c.* Margaret Valeria, Edward Goodenow. Student Mich. Agr. Coll., 1894-5, 1897-8; A.B., Univ. Mich., 1901; Ph.D., Harvard Univ., 1906. Sigma Xi; Gamma Sigma Delta.

Cole, Mary Frances, home dem. agt., Gay, Ga.
Teach. public schs., S. C., 2 yrs.; high-sch., Ga., 1 yr.—*b.* Greenville, Ga., Oct. 15, 1894; *d.* Jesse Duke and Cordie C.; reared on farm and in town. B.A., Southern Coll., La Grange, Ga., 1916.

Collier, George Alfred, sci. asst., Bur. Markets, U. S. Dept. Agr., Washington, D. C.
Sch. teach., 4 yrs.; owner and operator country elevator; mem. Cincinnati Hay and Grain Exchange, 1916-8; with hay and feed market reporting serv., 1918–. (Hay and grain marketing).—*b.* Springfield, O., Feb. 22, 1882; *s.* John and Ellen (Ellis) C.; reared on farm; *m.* Edith M. Weaver, June 4, 1906; *c.* Edith Carmen.

Collier, John S., co. agrl. agt., Kankakee, Ill.
Auth.: Farmers' Account Book, 1915. —*b.* Tipton, Ind., June 25, 1876; *s.* A. B. and Mary E. (Durham) C.; reared on farm; *m.* Lena E. Drayer, 1905. B.S. DePauw Univ., 1904; M.S., Univ. Chicago, 1910; 1 yr. grad. work, Univ. Ill. Sigma Xi.

Collings, Gilbeart Hooper, asst. prof. agron. and asst. agron. Exp. Sta., Clemson Agr. Coll., Clemson College, S. C.
b. Crewe, Va., Jan. 13, 1895; *s.* Thos. Jas. and Helen Thomas (Luke) C.; reared in country; *m.* Hazel W. Cover, Dec. 9, 1917; *c.* Gilbeart H. Jr. B.S., Va. Poly. Inst., 1915; M.S., Univ. Ill., 1917.

Collings, Hamilton Banks, asst. co. agt. leader, Purdue Univ., La Fayette, Ind.
(An. husb.).—*b.* Rockville, Ind., May 11, 1893; *s.* Wm. Bion and Laura Belle (Hamilton) C.; reared on farm; *m.* Emma Maude Loveless, June 30, 1918; *c.* Neil Burton. B.S.A., Purdue Univ., 1918. Sigma Delta Chi; Acacia.

Collingwood, George Harris, asst. prof. for., Cornell Univ., Ithaca, N. Y.
Present position, 1916–.—*b.* Fayetteville, Ark., May 27, 1890; *s.* Chas. B. and Harriet (Thomas) C.; reared in village; *m.* Jean Grinnell Cummings, Sept. 1, 1916; *c.* Chas. Cummings, Thos. Peeke. B.S., Mich. Agr. Coll., 1911; A.M., Univ. Mich., 1917; studied Univ. Munich, 1913-4.

Collingwood, Herbert Winslow, ed.-in-chief Rural New-Yorker, Woodcliff Lake, N. J.
Fruit farmer, 1898–. *Ed.,* Southern Live-Stock Journal, Starkville, Miss., 1883-5; ed. Rural New-Yorker, 1885–; ed.-in-chief, 1900–. *Auth.:* Andersonville Violets; Fertilizer Farming; The Business Hen; The Child; The Story of Hope Farm.—*b.* Plymouth, Mass., Apr. 21, 1857; *s.* Joseph W. and Rebecca W. (Richardson) C.; reared on farm; *m.* Lulie D. Sullivan, Apr. 6, 1888; *c.* Ava F. B.S., Mich. Agr. Coll., 1883; LL.D., 1906; D.Agr., Univ. Wis. Delta Tau Delta.

Collins, Charles Walter, ent. asst., Bur. Ent., U. S. Dept. Agr., Gipsy Moth Lab., Melrose Highlands, Mass.
b. Harrington, Del., July 6, 1882; *s.* Geo. Washington and Sarah Pauline

(Tharp) C.; reared on farm; *m.* Eva Narcissa Hone, June 4, 1909; *c.* Byron Hone. B.S.A., Del. Coll., 1905; M.S., 1913.

Collins, James Homer, manag. Commercial Survey Dept., Chilton Co., publishers, Philadelphia, Pa.

Field asst., Ark. Exp. Sta., 1913-4; sci. asst., Bur. Markets, 1914-5; asst. in market surveys, 1915-6; invest. in market surveys, 1917-9; present position, 1919-. Mem. Highways Transport Com., Council National Defense, 1919-. (Rural motor express).—*b.* Fresno, Calif., Jan. 3, 1889; *s.* Chas. S. and Nettie (James) C.; reared in city; *m.* Serena F. Tilton, Dec. 28, 1916. B.S.A., Univ. Ark., 1913.

Collins, Morris William Hollowell, manag. pedigreed seed farm, Piedmont, Ga.

b. Franklin Co., Ind., Mar. 21, 1895; *s.* Harry Lincoln and Ida Olive (Hollowell) C.; reared in town; *m.* Eula D. Thomas, Nov. 29, 1916; *c.* Morris W. H. Jr., H. Richard Fain. B.S.A., Univ. Ga., 1916.

Collison, Reginald Clifton, agron., N. Y. State Exp. Sta., Geneva, N. Y.

Asst. agrl. chem., Ohio State Univ., 1909; asst. nutr., Ohio Exp. Sta., 1909-12; asst. chem. in soils, N. Y. State Exp. Sta., 1912-4; assoc., 1914-7; agron., 1917-.—*b.* Prospect, O., May 3, 1884; *s.* Chas. E. and Mary E. (Gast) C.; reared on farm. B.S.A., Ohio State Univ., 1908; M.S.A., 1909. Sigma Xi; Alpha Zeta.

Collopy, Mary, home dem. agt., Colorado Springs, Colo.

b. Ft. Collins, Colo., Mar. 30, 1894; *d.* T. J. and Katherine (Winston) C.; reared on farm. B.S., Colo. Agr. Coll.

Colquhoun, Ezra Angus, co. agrl. agt., Virginia, Minn.

Teach. Pillsbury Acad., Owatonna, Minn., 1911-2; teach. agr., Aitkin, 1915-6; co. agt., Brainerd, Minn., 1916-9; Virginia, 1919-. (Marketing).—*b.* Blooming Prairie, Minn., June 17, 1885; *s.* Archibald and Sarah (Rafter) C.; reared on farm; *m.* Claire I. Brown, Aug. 1, 1916; *c.* Margaret Irene. B.S., Ia. State Coll., 1915.

Coltrane, David Stanton, co. agrl. agt., Ashboro, N. C.

b. Randolph Co., N. C., July 27, 1893; *s.* J. R. and Martha A. (Stanton) C. Student Guilford Coll. and N. C. State Coll.

Colver, Charles William, asst. prof. agrl. chem. and asst. chem. Exp. Sta., Univ. Ida., Moscow, Ida.

b. Missouri Valley, Ia., Feb. 28, 1885; *s.* Joseph Wright and Abbie (Palmer) C.; reared on farm; *m.* Catharine Sinclair, Dec. 22, 1909; *c.* Margaret Louise, Catharine Helen. B.S., Univ. Ida., 1909; M.S., 1911. Phi Delta Theta.

Colvin, Carl, assoc. in agrl. educ., Univ. Ill., Urbana, Ill.

Instr. agr., high-sch., Bloomington, Ill., 1912-3; Blackburn Coll., 1913-5; Eastern Ill. State Normal Sch., 1915-8; present position, 1918-.—*b.* Olney, Ill., Apr. 3, 1889; *s.* W. E. and Lydia Jane (Jackson) C.; reared on farm; *m.* Helen Schmidt, Dec. 21, 1912. B.S., Univ. Ill., 1912. Alpha Zeta; Phi Delta Kappa; Delta Phi; Phi Eta.

Colwell, Rachel Hartshorne, head home econ. dept., Univ. W. Va., Morgantown, W. Va.

Instr. home econ., Mich. Agr. Coll., 1905-6; asst. dept. nutr. and grad. student, Columbia Univ., 1906-8; head dom. sci. dept., Lake Erie Coll., Painesville, O., 1908-10; present position, 1910-. Pres. W. Va. Home Econ. Assoc. Traveled in Europe, 1903.—*b.* Providence, R. I., Jan. 12, 1877; *d.* R. S. and Emily (Hartshorne) C.; reared in city. B.S., Denison Univ., Granville, O., 1903; M.A., Teachers Coll., Columbia Univ., 1905. Phi Beta Kappa.

Combs, Willes Barnes, asst. prof. dairy husb., Penn. State Coll., State College, Pa.

Asst. dairy husb., Univ. Mo., 1915-7; Rutgers Coll., N. J., 1917-8; asst. prof., Univ. Mo., 1918-9; present position, 1919-. (Dairy manufactures).—*b.* Memphis, Mo., Dec. 22, 1892; *s.* R. C. and Louise (Barnes) C.; reared in city and country; *m.* Nannie O'Bannon, Sept. 11, 1915; *c.* Louise. B.S.A., Univ. Mo., 1915; M.S., 1917.

Comstock, Anna Botsford, asst. prof. nature-study, Cornell Univ., Ithaca, N. Y.

Asst. prof. ext. work in nature-study, Cornell Univ., 1899–; asst. prof. nature-study, 1913–; lect. Stanford Univ., 1899-1900. Awarded bronze medal for wood engraving, Buffalo Expos., 1901. *Auth.:* Ways of the Six-Footed; How to Know the Butterflies; How to Keep Bees; Confessions to a Heathen Idol, 1906; Handbook of Nature-Study, 1911; The Pet Book, 1914; Bird, Tree and Plant Note-books, 1914. *Ed.*, Nature-study Review, 1917–.—*b.* Otto, N. Y., Sept. 1, 1854; *d.* Marvin and Phebe (Irish) Botsford; *m.* John Henry Comstock, Oct. 7, 1878. Grad. Chamberlain Inst., Randolph, N. Y., 1873; Cornell Univ., 1878.

Comstock, Helen L., home dem. agt., Dover, Del.

With Md. State Coll., 1915-7; Cornell Univ., 1917-8; present position, 1918–.—*b.* Watkins, N. Y., June 17, 1892; *d.* Israel W. and Ida (Remer) C.; reared on farm. B.S., Cornell Univ., 1915.

Comstock, John Henry, prof. ent. emeritus, Cornell Univ., Ithaca, N. Y.

Instr. ent., Cornell Univ., 1875-7; asst. prof., 1877-8; U. S. ent., Washington, 1879-81; prof. ent. and invertebrate zool., Cornell Univ., 1882-1914; prof. emeritus, 1914–. Lect. zool., Vassar Coll., 1877; non-resident prof. ent., Stanford Univ., 1891-1900. Del. from Cornell Univ. to 250th anniversary of Royal Soc., London. Hon. fellow Ent. Soc. Amer.; hon. fellow, Ent. Soc. London; hon. mem. Societe Entom. de Belgique. *Auth.:* A Manual for the Study of Insects, 1896; Insect Life, 1897; How to Know the Butterflies (with his wife) 1904; The Spider Book, 1912; The Wings of Insects, 1918.—*b.* Jaynesville, Wis., Feb. 24, 1849; *s.* Ebinezer and Susan (Allen) C.; reared partly on farm; *m.* Anna Botsford, Oct. 7, 1878. B.S., Cornell Univ., 1874; grad. student Yale Univ., 1874-5, Univ. Leipzig, 1888-9. Delta Upsilon.

Comstock, Laura, ext. prof. home econ. and state home dem. leader, Mass. Agr. Coll., Amherst, Mass.

Teach. public schs., 1895-9; critic teach., Geneseo Normal, N. Y. and Stevens Point Normal, Wis., 1899-1907; asst. prof. home econ., Univ. Me. 1909-13; present position, 1913–. Mem. exec. com., New England Home Econ. Assoc.; chm. home econ. com., Mass. Parent-Teach. Assoc.; mem. home econ. com., Mass. Fed. Women's Clubs. —*b.* Cambria, N. Y., Aug. 10, 1874; *d.* Artemas W. and Evaline (Forsyth) C.; reared on farm. Grad. Buffalo State Normal Sch., 1895; Pratt Inst., 1909; student Columbia Univ., summer 1919.

Conant, Gertrude Edith, state nutr. specialist, Univ. Ark., 325 Southern Trust Bldg., Little Rock, Ark.

Instr. home econ., Milwaukee-Downer Coll., 1907-12; dir. home econ., Lenox Hall, St. Louis, 1912-4; present position, 1918–.—*b.* Waupun, Wis., Jan. 21, 1872; *d.* Wm. L. and Agnes M. (Frazier) C.; reared on farm. Grad. Milwaukee-Downer Coll., 1905; B.S., Columbia Univ., 1918.

Condit, Ira Judson, hort., J. C. Forkner Fig Gardens, and dir. Forkner Fig Exp. Sta., Fresno, Calif.

Flor., Ohio State Univ., 1905-6; sci. asst., Bur. Ent., U. S. Dept. Agr., 1906-7; instr. bot. and hort., Calif. Poly. Sch., San Luis Obispo, 1907-12; instr. citriculture, Univ. Calif., 1913-5; asst. prof., 1915-9.—*b.* Jersey, O., Nov. 18, 1883; *s.* Daniel Day and Clara Jane (Spayde) C.; reared on farm and in small town; *m.* Caroline Callender, June, 1912. B.S., Ohio State Univ., 1905.

Condra, George Evert, prof. geography and conservation, Univ. Neb., Lincoln, Neb.

Head dept. sci., Lincoln Normal Sch., 1892-6; head dept. sci., Lincoln high-sch., 1896-1902; instr. geography and econ. geol., Univ. Neb., 1902-3; asst. prof., 1903-4; assoc. prof., 1904-5; prof., 1905–; head dept., 1908-12; present title, 1912–. Prof. geography, Cornell summer sessions, 1905-11; asst. state geologist, 1902-10; dir. Neb. Conservation and Soil Survey, 1910–. Pres. Neb. Conservation and State Development Congress, 1910; chm. Nat. Conservation Comn., 1908-13; exec. sec. Neb. Conservation and Welfare Comn.; chm.

state Highway Comn., 1915; pres. Nat. Assoc. State Conservation Comnrs., 1910-3; mem. Neb. Rural Life Comn., 1910-2; chm. exec. com. Nat. Conservation Congress, 1915-6; pres., 1916–. Pres. Neb. Acad. Sci., 1909-11. *Auth.*: Geography of Nebraska, 1906.—*b.* Seymour, Ia., Feb. 2, 1869; *s.* I. N. and Mary (Keller) C.; reared on farm; *m.* Hattie M. Davenport, Aug. 12, 1893; *c.* Cordelia. B.S., Univ. Neb., 1896; A.M., 1898; Ph.D., 1903. Sigma Xi; Sigma Chi; Alpha Zeta.

Cone, Willard Ray, prof. soils and field crops, N. Y. State Sch. Agr., Alfred, N. Y.

Princ. high-schs., Blasdell, N. Y., 1902-4; Orchard Park, 1904-7; Silver Springs, 1907-12; Edmeston, 1915-7; present position, 1917–.—*b.* Hornell, N. Y., Apr. 10, 1874; *s.* Eleazer T. and Mary E. (Goff) C.; reared on farm; *m.* Eva E. Hill, Jan. 21, 1916. B.S., Cornell Univ., 1915.

Conklin, Clifford Tremain, asst. prof. an. husb., Ohio State Univ., Columbus, O.

Ext. specialist an. husb., Ohio State Univ., 1916-7; instr., 1917-9; asst. prof., 1919–. (Meats, cattle).—*b.* Struthers, O., July 18, 1890; *s.* Wm. T. and Isabelle (Bidwell) C.; reared on farm; *m.* Ora Kistler, June 3, 1913; *c.* Clifford T. Jr., Richard Kistler. B.S.A., Ohio State Univ., 1916.

Conley, Ora Katherine, home dem. agt., Rochester, Minn.

Instr. home econ., Sauk Center, Minn., 1915-7; present position, 1917–. Sec. Olmsted Co. Public Health Assoc. —*b.* Cannon Falls, Minn., Feb. 19, 1894; *d.* H. E. and Sarah (Dibble) C.; reared in village. B.S., Univ. Minn., 1915. Phi Epsilon Omicron.

Conn, Harold Joel, assoc. bact., N. Y. Agr. Exp. Sta., Geneva, N. Y.

Asst. soil tech., Cornell Univ., 1908-11; present position, 1911–. Chm. com. on bact. technic, Soc. Amer. Bact., 1920–. *Asst. ed.*, Abstracts of Bacteriology, 1919–. (Bact. of soils).—*b.* Middletown, Conn., May 28, 1886; *s.* Herbert W. and Julia M. (Joel) C.; reared in small city; *m.* Anna Carter Mansfield, Jan. 5, 1916; *c.* Jean Elizabeth. Ph.B., Wesleyan Univ., 1908; Ph.D., Cornell Univ., 1911. Phi Beta Kappa; Sigma Xi; Beta Theta Pi.

Conner, Charles M., co. agrl. agt., Visalia, Calif.

Asst. prof. agr., Clemson Agr. Coll., 1896-1901; prof. agr., Univ. Fla., 1901-6; prof. agr., N. C. A. & M. Coll., 1906-7; asst. dir. agr., Philippine Isls., 1907-13; farmer, 1913-5; farm adv., 1915–. Studied agr. of Italy and France, 1911. —*b.* Macon Co., Mo., Apr. 14, 1868; *s.* Stephen and Josephine (Edwards) C.; reared on farm; *m.* Ella D. Long; *c.* Laura Louise. B.S.A., Univ. Mo., 1891; B.S., Mich. Agr. Coll., 1892.

Conner, Samuel Dicken, assoc. chem. in soils and crops, Ind. Exp. Sta., LaFayette, Ind.

Deputy state chem., Purdue Univ., 1899-1905; asst. agrl. chem., 1905-8; asst. prof., 1908-12; present position, 1912–. Fellow A. A. A. S.—*b.* Connersville, Ind., June 17, 1872; *s.* Henry Dicken and Rebecca (Vance) C.; reared on farm; *m.* Jessie Louise Cowing, June 21, 1909; *c.* Dickens, Jean Louise, Arthur Cowing. B. S., Purdue Univ., 1894; M.S., 1903. Sigma Xi.

Connor, Louis George, asst. agrst., Off. Farm Manag., U. S. Dept. Agr., Washington, D. C.

Historic and econ. research in agr., U. S. Dept. Agr., 1912–; detailed to U. S. Tariff Comn., Aug. 1919-Mar. 1920 for wool invests. In U. S. Army, A. E. F., 1917-9.—*b.* Annandale, Va., Apr. 13, 1884; *s.* Wm. S. and Emeline (Mercer) C.; reared on farm and in city. B.S., Wesleyan Univ., 1910; M.S.A., Cornell Univ., 1912; M.S., Wesleyan Univ., 1913; Ph.D., Geo. Washington Univ., 1917.

Conway, Thomas James, assoc. prof poultry husb., Tex. A. & M. Coll., College Station, Tex.

Poultry husb., Tex. Exp. Sta., 1914-5; asst. prof., Tex. A. & M. Coll., 1915-7; assoc. prof., 1917–.—*b.* Ithaca, N. Y., July 20, 1892; *s.* Michael and Catherine (Breen) C.; reared in city; *m.* Minnie Braatz, June 7, 1917; *c.* Edward Thos. B.S., Cornell Univ., 1914.

Cook, Albert Baldwin, farmer, Owosso, Mich.
State Senator, 4 yrs. Pres. Bean Growers Assoc.; pres. State Assoc. Farmers Clubs.—*b.* E. Lansing, Mich., Aug. 11, 1873; *s.* Albert John and Mary (Baldwin) C.; reared in village; *m.* Fannie Hanchett Carruthers, Oct. 12, 1900; *c.* Albert B. Jr., Mary Francis, John Carruthers. B.S., Mich. Agr. Coll.

Cook, Charles B., farmer, co. agrl. agt., Pontiac, Mich.
Asst. zool., Mich. Agr. Coll., 1888-91; farmer Oswego, N. Y., 5 yrs.; Owosso, Mich., 22 yrs.; ext. work, Mich. Agr. Coll., 1913–. Pres. State Hort. Soc., 2 yrs.; pres. State Assoc. Farmers Clubs. —*b.* Owosso, Mich., June 17, 1868; *s.* E. J. and Anna (Benjamin) C.; reared on farm; *m.* Addie D. McGillvra, Nov. 1897. B.S., Mich. Agr. Coll., 1888; M.S., 1891.

Cook, G. Elizabeth, distr. home dem. agt., 209 Lynch Bldg., Lynchburg, Va.
Instr. home econ., public schs., New Orleans; dietitian, Hotel Dieu, New Orleans; co. home dem. agt., Md.—*b.* Miss., Jan. 13, 1893; *d.* Chas. Haywood C.; reared in city. Student La. State Univ., Tulane Univ. Geo. Peabody Coll.

Cook, Herbert E., farmer, Denmark, N.Y.
Dean State Sch. Agr., St. Lawrence Univ., Canton, N. Y. Lect. on agr.—*b.* Denmark, N. Y., Dec. 12, 1858; *s.* Ellis A. and Anna (Parsons) C.; reared on farm; *m.* Fannie Schermerhorn, Feb. 13, 1883; *c.* Clara R.

Cook, Irving Charles Holmes, farmer, S. Byron, N. Y.
Conductor and lect., farmers insts. Sec.-treas. Byron Produce Co. Ex.-pres. N. Y. State Drainage Assoc.—*b.* S. Byron, N. Y., Sept. 18, 1874; *s.* Irving D. and Julia A. (Holmes) C.; reared on farm; *m.* Julia G. Woods, Aug. 29, 1900; *c.* David Seaver, Dorothy Julia, Irving Wm. Studied Oberlin Coll. and Cornell Univ.

Cook, Irwin Wycliffe, prof. for., Univ. Ida., Moscow, Ida.
Present position, 1912–.—*b.* Carthage, Ill., Nov. 20, 1882; *s.* Jerry and Melissa J. (Miller) C.; reared on farm; *m.* Mary S. Gaylord, July 12, 1911; *c.* Edward Gaylord. B.S., Washburn Coll., 1907; M.S.F., Mich. Univ. For. Sch., 1910.

Cook, Melville Thurston, prof. plant path., Rutgers Coll., New Brunswick, N. J.
Princ. high-sch., Vandalia, Ill., 1894-5; prof. biol., DePauw Univ., 1895-1904; plant path., Cuban Exp. Sta., 1904-6; plant path., Del. Exp. Sta., 1906-11; plant path., N. J. Exp. Sta. and prof. Rutgers Coll., 1911–. Vice-pres. (1916) and pres. (1917) Amer. Phytopathological Soc.; sec. Sect. G. (Bot.), A. A. A. S., 1918–. *Auth.:* Diseases of Tropical Plants, 1913; Applied Economic Botany. Mem. editorial bd., Phytopathology.—*b.* Coffeen, Ill., Sept. 20, 1869; *s.* W. H. and Elizabeth Frances (Robinson) C.; reared on farm; *m.* Dora Reavill, Sept. 8, 1897; *c.* Harvey Reavill, Harold Thurston, Elizabeth. A.B., Stanford Univ., 1894; A.M., DePauw Univ., 1902; Ph.D., Ohio State Univ., 1904. Phi Beta Kappa; Sigma Xi; Delta Upsilon.

Cookingham, Waldo Beale, superv. agr., State Bd. Educ., Concord, N. H.
Asst. teach. agr., high-sch., Interlaken, N. Y., 1916; teach. agr., high-sch., N. Cohocton and Atlanta, 1917-8; dairy instr., Vail Agrl. Sch., Lyndonville, Vt., 1918-9; present position, 1920–.—*b.* Poughkeepsie, N. Y., July 2, 1894; *s.* Russell T. and Carrie (Beale) C.; reared on farm. B.S., Cornell Univ., 1916; grad. student, 1919. Alpha Gamma Rho.

Cooley, Abraham Coon, dir. ext. and co. agt. leader, N. Mex. A. & M. Coll., State College, N. Mex.
Prof. agr., Jordan high-sch., 1911-2; Ogden high-sch., 1912-3; co. agrl. agt., San Luis Valley, Colo., 1913-4; present position, 1914–. Del. Nat. Irrig. Congress, Nat. Dry-Farming Congress. Traveled in Europe as missionary 3 yrs. —*b.* Salt Lake City, Utah, June 16, 1884; *s.* Andrew Wood and Rachel Caroline (Coon) C.; reared on farm; *m.* Lucille Jensen, Nov. 19, 1913; *c.* Rachel Adline, Estelle Jensen. B.S.A., Utah Agr. Coll., 1911. Delta Theta Sigma.

Cooley, Fred Smith, dir. ext. serv., Mont. State Coll., Bozeman, Mont.

Asst. agrst., Mass. Exp. Sta., 1889; farm supt., Mass. Agr. Coll., 1890-7; asst. prof. agr., 1893-1907; present position, 1907-.—*b.* Sunderland, Mass., Aug. 22, 1869; *s.* Geo. L. and Abigail (Smith) C.; reared on farm; *m.* Grace Content Smith, Oct. 4, 1893; *c.* Esther Belle, Geo. Atherton, Elizabeth Content, Laura Grace. B.S., Mass. Agr. Coll., 1888. Phi Sigma Kappa.

Cooley, Robert Allen, state ent. and prof. ent., Mont. State Coll., Bozeman, Mont.

Asst. ent., Mass. Exp. Sta., 1895 9; prof. ent. and ent. Exp. Sta., Mont. State Coll., 1899-; Mont. state ent., 1903-. Fellow A. A. A. S. Sec. Mont. State Bd. Ent., 1913-; pres. Amer. Assoc. Econ. Ent., 1917. (Diaspinae).—*b.* S. Deerfield, Mass., June 27, 1873; *s.* Alfred A. and Charlotte M. (Clapp) C.; reared on farm; *m.* Edith M. Cooley; *c.* Charlotte, Genevieve. B.Sc., Mass. Agr. Coll., 1896. Phi Sigma Kappa.

Coons, George Herbert, assoc. prof. bot. and plant path., Mich. Agr. Coll., E. Lansing, Mich.

Adj. prof. bot., Univ. Neb., 1909-10; present position, 1910-.—*b.* Bloomington, Ill., Nov. 2, 1885; *s.* G. W. and Susan Elizabeth (Irwin) C.; reared on farm; *m.* Myrta A. Vogel, 1908; *c.* Myrta Susan. A.B., Univ. Ill., 1908; A.M., Univ. Neb., 1911; Ph.D., Univ. Mich., 1915. Sigma Xi; Gamma Alpha.

Cooper, John Ralph, prof. hort., Univ. Ark., Fayetteville, Ark.

Asst. hort., Kans. State Agr. Coll., 1912; asst. prof. hort., Univ. Neb., 1912-6; assoc. prof., 1916-8; present position, 1918-.—*b.* Washington, Ia., Apr. 18, 1884; *s.* Joseph and Laura Annis (Morgan) C.; reared on farm; *m.* Lillian Leonora Ware, June 15, 1913. B.S., Kans. State Agr. Coll., 1912; M.S., Univ. Neb., 1917. Sigma Xi; Alpha Zeta; Pi Kappa Alpha.

Cooper, Morton Oscar, sec. Tenn. Beef Breeders Assoc., Knoxville, Tenn.

Asst. an. husb., Del. Coll., 1912-3; sci. asst., U. S. Dept. Agr., 1913-7; ext. an. husb., Va. Poly. Inst., 1917-20; present position, 1920-.—*b.* Manson, Ia., Oct. 23, 1888; *s.* Thos. O. and Anna (Wright) C.; reared on farm; *m.* Rosalind Langworthy, Jan. 7, 1914. B.S., Ia. State Coll., 1912; M.A., American Univ., 1916. Phi Kappa Phi.

Cooper, Roswell D., farmer, Little Falls, N. Y.

Mem. N. Y. State Food Supply Comn., 1917. Pres. Dairymens League, Inc.; vice-pres. Nat. Milk Producers Fed.; dir. Little Falls Dairy Co.; dir. and mem. exec. com. Nat. Bd. of Farm Organizations; chm. Conference of N. Y. Farm Organizations; mem. council, Amer. Assoc. for Agrl. Legislation; dir. Montgomery Dairymens League Coop. Assoc.; dir. Dairymens League Coop. Assoc.; mem. Gov. Smith's Milk Comn.—*b.* Little Falls, N. Y., Mar. 27, 1877; *s.* Benj. W. and Helen A. (Brown) C.; reared on farm; *m.* Marguerite L. Allen, Oct. 10, 1914; *c.* Allen, Walter W. A.B., Williams Coll., 1900. Zeta Psi.

Cooper, Thomas Poe, dean Coll. Agr. and dir. Exp. Sta., Univ. Ky., Lexington, Ky.

Statistical agt., Minn. Exp. Sta., 1902-7; special agt., Bur. Statistics, U. S. Dept. Agr., 1902-7; asst farm manag., instr. agrl. econ., Univ. Minn., 1908-11; asst. chg. dem. farms, 1910-1; sec. Better Farming Assoc. of N. D., 1912-3; dir. ext. and Exp. Sta., N. D. Agr. Coll., 1914-7; present position, 1918-. Pres. Bd. of Farmers Insts., N. D., 1914-7; vice-chm., Ky. State Bd. Agr. and Ky. State Live-Stock Sanitary Bd. (Farm manag., agrl. econ.).—*b.* Pekin, Ill., Mar. 2, 1881; *s.* J. R. and Sue B. (Poe) C.; reared on farm; *m.* Essie M. Burgan, 1912. B.S.A., Univ. Minn., 1908. Sigma Xi; Alpha Zeta; Acacia.

Cooter, John Edward, co. agrl. agt., Toledo, Ore.

Intr. soils and farm manag., Ore. Agr. Coll., 1913-8; sch. gard. superv., Portland, Ore.—*b.* Lebanon, Ore., Oct. 29, 1891; *s.* Dennis and Belle (Miller) C.; reared on farm; *m.* Cora Hubler, Aug. 24, 1914; *c.* Annabelle Ellen. B.S.A., Ore. Agr. Coll., 1913.

Cope, Francis Reeve Jr., dairyman and fruit-grower, Dimock, Pa.

Exec. sec. Civil Serv. Reform Assoc. of Pa., 1904-5; organizer and mem.

exec. com., Susquehana Co. Farm Bur.; organizer and pres. Susquehana Co. Interchurch World Movement.—*b.* Philadelphia, Pa., Aug. 9, 1878; *s.* Alexis Thos. and Elizabeth (Stewardson) C.; reared on farm; *m.* Evelyn Flower Morris, Oct. 13, 1903; *c.* Theodora Morris. A.B., Haverford Coll., 1900; A.B., Harvard Univ., 1901; A.M., 1902; Robt. Treat Paine fellow, 1902-3; hon. John Harvard fellow, 1903-4.

Cope, Ralph P., prof. agrl. chem., Wash. State Coll., Pullman, Wash.

Prof. sci., Western Union Coll., 1911-2; present position, 1912–. (Soils and fertilizers).—*b.* Hanoverton, O., July 12, 1885; *s.* John A. and Emma (Pearce) C.; reared on farm; *m.* Mary B. Deems, Aug. 6, 1913; *c.* Dorothy Lee. B.S., Ill. Wesleyan Univ., 1910; grad. student Univ. Chicago, 1910-1; B.S., Wash. State Coll., 1919; M.S., 1919. Sigma Alpha Epsilon.

Copeland, Arthur Jay, state leader farm manag. dem., Mont. State Coll., Bozeman, Mont.

Asst. in grain marketing, Bur. Markets, U. S. Dept. Agr.; head dept. agr., Marion Normal Inst., Marion, Ind.; prof. agr. and head dept. sci., Wetzel Co. High-Sch., Reader, W. Va.—*b.* Peebles, O., May 22, 1889; *s.* Wm. and Hester Ann (Smalley) C.; reared on farm. B.S.A., Ohio State Univ., 1915; M.S.A., 1919.

Copeland, Edwin Bingham, farmer and experimenter, Chico, Calif.

Asst. prof. bot., Ind. Univ., 1897-8; State Normal Sch., Chico, Calif., 1899; asst. prof. bot., W. Va. Univ., 1899-1900; prof., 1900-1; instr. bot., Stanford Univ., 1902-3; bot., Philippine govt., 1903-8; supt. Philippine Agr. Sch., 1908-9; dean Coll. Agr., Univ. Philippines, 1909-17. Fellow A. A. A. S. *Auth.:* Philippine Agriculture, 1908; The Cocoanut, 1914, 2nd ed., 1920. Former *assoc. ed.*, Mexican Journal of Tropical Agriculture and Philippine Journal of Science. (Rice, coconuts). —*b.* Monroe, Wis., Sept. 30, 1873; *s.* Herbert Edson and Alice (Bingham) C.; *m.* Ethel Faulkner, Dec. 19, 1900; *c.* Herbert F., Mary F., Alice B., Chas. F., John B. A.B., Stanford Univ., 1895; Ph.D., Univ. Halle, 1896. Phi Gamma Delta; Sigma Xi.

Copeland, John Thomas, ext. agrl. engin., Miss. A. & M. Coll., Agricultural College, Miss.

Instr. farm mech., Colo. Agr. Coll., and agrl. instr. and research in field crops, Ft. Lewis Sch. Agr., Hesperus, Colo., 1915-7; assoc. prof. chg. farm mech., Colo. Agr. Coll., 1918; co. agrl. agt., W. Va., 1919; present position, 1920–. Candidate officer, Camp Zachary Taylor, Louisville, Ky.—*b.* Indianapolis, Ind., 1891; *s.* Frank and Mary Frances (Thornberry) C.; reared on farm. B.S., Purdue Univ., 1915.

Corbett, Lee Cleveland, hort. in chg. hort. and pom. invest., U. S. Dept. Agr., Washington, D. C.

Asst. hort., Cornell Univ. Exp. Sta., 1891-3; prof. hort. and for., S. D. State Coll., 1893-5; W. Va. Univ., 1895-1901; hort., U. S. Dept. Agr., 1901-13; asst. chief Bur. Plant Ind., 1913-5; present position, 1915–. Fellow A. A. A. S. *Auth.:* Garden Farming, 1913; Intensive Agriculture, 1913.—*b.* Schuyler Co., N. Y., Oct. 21, 1867; *s.* J. Wallace and Lucia M. (Gabriel) C.; reared on farm; *m.* Evelyn Lovenia Northrup, Mar. 23, 1893; *c.* Ruth, Frances, Roger Bailey, Laurence Ward, Thurston Lee. B.S., Cornell Univ., 1890; M.S., 1896.

Corbett, Louis L., asst. agrst., U. S. Dept. Agr., Blissfield, Mich.

Asst. farm crops, Va. Truck Exp. Sta., 1910-2; present position, 1912–.—*b.* Watkins, N. Y., Mar. 27, 1875; *s.* John Wallace and Lucia M. (Gabriel) C. reared on farm; *m.* Ida Jones; *c.* Wallace Jerome, Lois, Louis L. Jr. LL.B., W. Va. Univ., 1897.

Corcoran, John B., farmer and teach. agr., high-sch., 3917 Harvard Blvd., Los Angeles, Calif.

Div. supt. ind. educ., Philippines, 1903-6; supt. agrl. and ind. work, State Normal Sch., New Paltz, Calif., 1907-11; head agr., State Normal, Fresno, 1911-3; manag. ranch, 1915-8; present position, 1918–. Vice-dir. Los Angeles Farm Bur. Center; dir. Tulare Co. Farm Bur.; dir. Kern Co. Farm Bur. Traveled in Europe, Africa, Orient, Mex.—*b.* Millers, N. Y., Oct. 21, 1889; *s.* Katherine C.; reared on farm. *m.*

Mildred Linendoll, June 1913; *c.* Helen. B.S., Univ. Chicago, 1909; student Univ. Calif., Univ. Minn.

Cordley, Arthur Burton, dean Coll. Agr., Ore. Agr. Coll., Corvallis, Ore.

Asst. ent., Mich. Agr. Coll., 1888-90; asst. ent., Vt. Exp. Sta., 1890-1; asst. ent., U. S. Dept. Agr., 1891-3; farmer, 1893-5; prof. zool. and ent. Exp. Sta., Ore. Agr. Coll., 1895–; dean Coll. Agr., 1907–; dir. Exp. Sta., 1914-20.—*b.* Pinckney, Mich., Feb. 11, 1864; *s.* Chas. and Esther (Hicks) C.; *m.* Mary Celia McLouth, July 5, 1893. B.S., Mich. Agr. Coll., 1888; M.S., 1901; D.Sc., 1917. Phi Delta Theta; Gamma Alpha; Gamma Sigma Delta.

Cornwall, Ellsworth Bedinger, farmer, Middlebury, Vt.

Mem. exec. com., Amer. Farm Bur. Assoc.; pres. Vt. State Fed. Farm Burs.; pres. Addison Co. Farm Bur.—*b.* Princeton, N. J., Oct. 21, 1884; *s.* Henry B. and Mary H. (Porter) C.; reared in town; *m.* Louise W. Mix, Oct. 15, 1908; *c.* Dorothy P., Henry R., Frances E. A.B., Princeton Univ., 1905; grad. N. Y. Law Sch., 1907. Delta Chi.

Cort, Joseph Clayton, manag. Milford Meadows Stock Farm, Lake Mills, Wis.

Asst. dairy ext., Ia. State Coll., 1915-6; agt. in dairying for Ia., U. S. Dept. Agr., 1916-8; fieldman, Holstein-Friesian Assoc. of Amer., Mar.-Aug. 1918; assoc. prof. dairy husb., Univ. Minn., 1918-9; present position, 1919–.—*b.* St. Lawrence, S. D., Dec. 3, 1887; *s.* Chas. Edwin and Maria (Vaile) C.; reared in town and country; *m.* Isabelle Frasche, Nov. 7, 1916; *c.* Joseph C. Jr. B.S.A., Ia. State Coll., 1914; M.S., 1915. Alpha Gamma Rho; Phi Lambda Upsilon; Acacia.

Corwin, Willis J., asst. state leader co. agts., Univ. Minn., University Farm, St. Paul, Minn.

Dir. agr., public schs., Martin, Minn., 1913-8; co. agrl. agt., Hinckley, 1918-20; present position, 1920–.—*b.* Altmar, N. Y., Nov. 5, 1885; *s.* Frank R. and Lizzie (Leno) C.; reared on farm; *m.* Lois Lowrey, June 25, 1914; *c.* Jas. Freeman, Mac Rockwell. B.S., Cornell Univ., 1911.

Cory, Ernest Neal, prof. zool. and state ent., Md. State Coll., College Park, Md.

Asst. ent., Md. State Coll., 1909-11; asst. prof., 1911-5; prof. 1915–; head dept. zool., 1917–; sta. ent., 1915–; state ent., 1916–. Rancher, Yuma, Ariz., 1904-5. Sec.-treas. Md. State Beekeepers Assoc; dir. Md. Agrl. Soc. (Econ. ent.).—*b.* Alden, N. Y., Aug. 13, 1886; *s.* Azro J. and Marie (Matheson) C.; reared in town; *m.* Elizabeth C. Elder, Oct. 31, 1911; *c.* Ernest N. Jr., Wm. Robt. B.S., Md. State Coll., 1909; M.S., 1912. Kappa Alpha.

Coryell, Jay, farm bur. dir., Cornell Univ., Ithaca, N. Y.

Instr. agr., Northboro, Mass., high-sch., 1912; Woburn, Mass., Acad., 1912; North Easton, Mass., high-sch., 1912; agrl. agt. Windsor Co., Vt., 1912-5; asst. state co. agt. leader, Univ. Vt., 1915-7; asst. co. agt. leader, Cornell Univ., 1917-20.—*b.* Romulus, N. Y., Feb. 5, 1886; *s.* Newman Potter and Susan L. (Sayre) C.; reared on farm; *m.* Helen Stewart Folwell, Feb. 7, 1912; *c.* Geo. Chester, Arlene Elizabeth. B.S.A., Cornell Univ., 1912.

Coryell, Rolla James, nurseryman, Birmingham, Mich.

Small-fruit grower, 1884-91; asst. hort., Mich. Agr. Coll., 1891-4; in chg. Peche Isl., 1894-7; supt. Detroit parks, 1897-1901; park work, Colorado Springs for General W. J. Palmer, 1901-5; nurseryman, 1905–.—*b.* Jonesville, Mich., Oct. 2, 1861; *s.* Chas. R. and Diana (Armstrong) C.; reared on farm; *m.* Mabel Bowen, Mar. 25, 1891; *c.* Ralph I., Helen W., Eliot, Edwin, Philip. B.S., Mich. Agr. Coll., 1884.

Cotterman, Harold F., dean Sch. Educ., Md. State Coll., College Park, Md.

Prof. agr. and agrl. educ. and dean Dept. Agr., Ohio Northern Univ., 1913-5; asst. agrl. educ., Ohio State Univ., 1916; prof. agrl. educ. and superv. secondary voc. agr. for Md., Md. State Coll., 1917–.—*b.* Farmersville, O., Oct. 22, 1887; *s.* Marcus W. and Martha (Brubaker) C.; reared on farm; *m.* M. Mae Yingling, June 13, 1914. B.S.A., Ohio State Univ., 1916; M.A., Columbia Univ., 1917.

Cotton, John Storrs, agrst., Off. Farm Manag., U. S. Dept. Agr., Washington, D. C.

Conducting range invests., Wash. Exp. Sta., 1901-4; range and farm manag. invests., U. S. Dept. Agr.,1904–; U. S. Tariff Comn., special expert in wool invests. in range states, Aug. 1919-Jan. 1920.—*b.* E. Woodstock, Conn., July 30, 1875; *s.* John and Persis (Storrs) C.; reared in village; *m.* Ada Gertrude Chapple, Dec. 31, 1907; *c.* Jane Catherine, John, Elisabeth Storrs. B.S., Union Coll., 1897; M.S.A., Wash. State Coll., 1904.

Cotton, Richard Thomas, sci. asst., Bur. Ent., U. S. Dept. Agr., Box 259, Orlando, Fla.

Asst. ent., Exp. Sta., Rio Piedras, Porto Rico, 1915-7; ent., 1917-8; present position, 1919–, in chg. corn weevil invests. 2d Lieut. Inf., U. S. Army, 1918.—*b.* England, Jan. 27, 1893 (naturalized as minor); *s.* Wm. Jas. and Agnes (James) C.; reared in town; *m.* Emily Willey, Dec. 18, 1917; *c.* Robt. Thos. B.S., Cornell Univ., 1914; M.S., 1918.

Coulter, John Lee, dean Coll. Agr. and dir. Exp. Sta., W. Va. Univ., Morgantown, W. Va.

Asst. prof. rural econ., Univ. Minn., 1908-10; chief agrl. census, U. S. Census Bur., 1910-4; prof. rural econ., Knapp Sch. Country Life, Nashville, Tenn., 1914-5; present position, 1915–. Del. Intern. Inst. Agr., Rome; Rural Credits Comn. to Europe, 1913. Mem. Bd. Dirs., Nat. Agrl. Organization Soc. Major A. S. A. P., with A. E. F. in France as div. dir. agrl. educ., 1918-9. *Auth.:* Cooperation Among Farmers, 1911. (Farm econ.).—*b.* Mallory, Minn., Apr. 16, 1881; *s.* John and Katherine (McVeety) C.; reared on farm; *m.* Phoebe Frost, Sept. 23, 1911; *c.* John Lee Jr., Kirkley Schley. A.B., Univ. N. D., 1904; A.M., 1905; Ph.D., Univ. Wis., 1908. Phi Beta Kappa.

Coupe, James Francis, co. agrl. agt., Carroll, Ia.

Agt. Thurston Co., Neb., 1913-5; live-stock fieldman, Twentieth Century Farmer, Omaha, 1915-7; farm bur. organizer, Neb., Sept. 1917-Feb. 1918; present position, 1918–.—*b.* Falls City, Neb., Aug. 30, 1886; *s.* Richard A. and Mary M. (King) C.; reared on farm; *m.* Mary A. Ballengee, Apr. 12, 1915. B.S., Univ. Neb., 1909. Alpha Zeta.

Coverdale, John Walter, sec. Amer. Farm Bur. Fed., Mallers Bldg., Chicago, Ill.

Farmer, 1906-12; state leader co. agts., Ia. State Coll., 1913-9. Vice-pres. Ia. Corn Growers Assoc., 1909-10; asst. supt. agr., Ia. State Fair, 1907-19; sec. Ia. Farm Bur. Fed., 1919-20.—*b.* Clinton Co., Ia., Apr. 4, 1883; *s.* Elijah A. and Sarrah (Jepsen) C.; reared on farm; *m.* Elsie Grinrod, Jan. 31, 1907; *c.* John W. Jr. Student Ia. State Coll., 3 yrs.

Cowart, Ira Ellis, supt. Tex. Agrl. Exp. Sta. No. 1, Beeville, Tex.

Citrus fruit-grower, National City, Calif., 1900-5; asst. hort., Univ. Mo., 1914; instr. hort., Tex. A. & M. Coll., 1914-5; asst. prof. pom., 1915-7; present position, 1917–. Sec.-treas. Tex. Hort. Soc., 1914-6. (Subtropical fruits). —*b.* Sherman, Tex., June 15, 1883; *s.* Thos. A. and Rebecca Anna (Hampton) C.; reared on farm. Grad. State Teach. Coll., San Diego, Calif., 1908; B.S., Tex. A. & M. Coll., 1913; A.M., Univ. Mo., 1914.

Cowell, Arthur Westcott, lands. arch., prof. lands. design, Penn. State Coll., State College, Pa.

Mem. Nat. Child Labor Comn.; dir. Awbury Arboretum of Philadelphia.—*b.* Auburn. N. Y., Apr. 30, 1878; *s.* Willard Gould and Jennie (Fisher) C.; reared in city; *m.* Sophie Harriet Lyndon, 1907; *c.* Jane Augusta, David Lyndon. B.S.A., Cornell Univ. Alpha Zeta.

Cowgill, Helen Julia, asst. state club leader, Ore. Agr. Coll., Corvallis, Ore.

Teach. dom. sci., Harney Co. high-sch., 1913-4; superv. girls' club work, Ore. Agr. Coll., 1914-20.—*b.* Springfield, Ill., Dec. 1, 1881; *d.* Wm. C. and Caroline M. (Etter) C.; reared in city. B.S., Ore. Agr. Coll., 1913.

Cowles, Henry Trask, prof. hort., Coll. Agr. & Mech. Arts, Mayaguez, Porto Rico.

Instr., Central High-Sch., Porto Rico, 1910-1; princ. Arecibo High-Sch., 1911-

2; superv. schs., Rio Grande and Mumacas distrs., 1912-5; present position, 1916–. (Citriculture).—*b.* Dover, Mass., Oct. 26, 1887; *s.* John Phelps and Sigourney (Trask) C.; reared on farm; *m.* Emma H. Jones, July 16, 1915; *c.* Henry T. Jr., Howard. B.S., Mass. Agr. Coll., 1910. Theta Chi; Phi Kappa Phi.

Cowles, Ina Foote, assoc. prof. clothing and textiles, Kans. State Agr. Coll., Manhattan, Kans.
b. Thorn Hill, N. Y., Sept. 11, 1876; *d.* E. Corning and Minnie (Salisbury) C.; reared on farm. B.S., Kans. State Agr. Coll., 1901. Omicron Nu.

Cowsert, Emma Farish, home dem. agt., Grenada, Miss.
Teach. rural schs., 1912-4, 1916-7; home dem. agt., Grenada Co., Miss., 1918–.—*b.* Goodman, Miss., Apr. 24, 1895; *d.* Joseph B. and Sallie (Farish) C.; reared on farm. M.L., Hillman Coll., 1916; student Geo. Peabody Coll., Miss. A. & M. Coll.

Cox, Henry Joseph, meteorologist in chg. North Central Forecast Distr. of Weather Bur., and in chg. corn and wheat region serv., Federal Bldg., Chicago, Ill.
Prof. meteorology, Norwich Univ., Northfield, Vt., 1886-8; connected with U. S. Weather Bur. since 1884. In chg. special field researches, cranberry marshes, 1906-8; thermal belts on Carolina mountain slopes, 1912-8. Traveled in Europe inspecting meteorological observatories, 1906-7.—*b.* Newton, Mass., Apr. 5, 1863; *s.* Thos. and Hannah (Perkins) C.; reared in city; *m.* Mary Cavanagh, Sept. 8, 1887; *c.* Harry P., Arthur C., Paul G. A.B., Harvard Univ., 1884; A.M. (hon.), Norwich Univ., 1887; D.Sc., 1914. Theta Chi.

Cox, Herbert Randolph, co. agrl. agt., Haddonfield, N. J.
Farming in O., 1905-7; Off. Farm Manag., U. S. Dept. Agr., 1907-15; assoc. ed., Country Gentleman, 1915-7. —*b.* Canton, O., Oct. 28, 1882; reared in town and on farm. B.S.A., Cornell Univ., 1905; M.S.A., 1909. Beta Theta Pi.

Crabb, George Arthur, prof. agron., Univ. Ga., Athens, Ga.
Instr. soil tech., Cornell Univ., 1907-10; Bur. Soils, U. S. Dept. Agr., 1910-3; present position, 1913–. (Soils and fertilizers).—*b.* Allen Co., O., Aug. 18, 1882; *s.* Nathan T. and Amelia (Bowyer) C.; reared on farm; *m.* Mary Clement Shepperson, Sept. 28, 1908; *c.* Anna Elizabeth, Geo. A. Jr., Mary Frances, Thos. Nathan. B.S.A., Ohio State Univ., 1907. Alpha Zeta.

Crabtree, Sam W., ed. and minister, Peoria, Ill.
Country church preacher, 11 yrs. Agrl. ed., Peoria Transcript and Peoria Journal. Sec. Tazewell Co. Farmers Inst. (Rural sociol.).—*b.* Pike Co. O., June 2, 1881; *s.* Alva and Sarah (Eliphel) C.; reared in town and on farm; *m.* Bertha Lee Bierley, Jan. 1, 1906; *c.* Kate, Floy, Sam W. Jr. Student Rio Grand Coll., O., 2 yrs.

Craddock, Benjamin Atkins, farmer, Humboldt, Tenn.
Farmer and fruit-grower, 40 yrs.; manufacturer canned foods. Humboldt Canning Co., 17 yrs. Pres. Tenn. State Hort. Soc., 1919-20.—*b.* Gibson Co., Tenn., Jan. 17, 1860; *s.* Thos. J. and Susan (Collinsworth) C.; reared on farm; *m.* Mattie James, 1882; 2d, Lucie Graves, 1894; *c.* Carl, David, Paul, Geo. W., Mary, Frank, Graves, Anna Sue, John, Lucile.

Craig, Albert G., hort., East Farms, Wash.
Instr. hort., Mich. Agr. Coll., 1904-5; instr. hort., Wash. State Coll., 1906; asst. prof. and asst. hort., Exp. Sta., 1907-9; hort. and field manag., Arcadia Orchard Co., Deer Park, Wash., 1909-18; manag. Spokane Valley Orchard and Land Co., 1918–. Pres. Wash. State Hort. Assoc., 1 yr.—*b.* Mich., Apr. 20, 1877; *s.* Samuel and Hanna (Morrison) C.; reared on farm; *m.* Clara Hoffner, 1902; 2d, Edna Evans, 1919. B.S., Mich. Agr. Coll., 1902; M.H., 1909.

Craig, Charles P., agrl. organizer and administrator, Duluth, Minn.
Developed Jean-Duluth Farms, Duluth. Pres. Minn. Live-Stock Breeders Assoc., 5 yrs.; dir. Minn. State Agrl. Soc., 7 yrs., pres. 2 yrs.; manag. Minn. State Fair, 7 yrs., pres. 2 yrs.; chm.

agrl. com., Commercial Club of Duluth; chm. State Efficiency and Econ. Comn.; vice-pres. and exec. dir. Great Lakes-St. Lawrence Tidewater Assoc; Auth. Co. Agt. Bill in Minn.—*b.* Clarion Co., Pa., July 4, 1858; *s.* W. T. and Katherine (Patton) C.; reared on farm; *m.* Florence Cameron; *c.* Margaret Patton. A.B., Lafayette Coll., 1883; A.M., 1886; LL.B., Univ. Penn., 1886. Delta Kappa Epsilon.

Craig, Stephen James, co. agrl. agt., Prophetstown, Ill.

Ill. State Soil Survey, 2 yrs.; traveled 2 yrs. on seed and soil surveys; co. agt., Crown Point, Ind., 4 yrs.; agt. Whiteside Co., Ill., 1918–; seed corn adminis., Ill. State Council Defense, Chicago, 1918–.—*b.* Wilmington, Ill., Jan. 16, 1882; *s.* Jas. and Minerva (Rockwell) C.; reared on farm; *m.* Ruth Jackson, Oct. 16, 1912; *c.* Jas. J., Harold J., Ruth J. B.S., Univ. Ill., 1905; M.S.A., Cornell Univ., 1908.

Craighead, Frank Cooper, specialist in for. ent., U. S. Bur. Ent., E. Falls Church, Va.

b. Craigheads, Pa., Oct. 7, 1890; *s.* C. C. and Agnes (Miller) C.; reared in country; *m.* Mary Caroline Johnson, Oct. 12, 1915; *c.* John Johnson, F. C. Jr., Jean Caroline. B.S., Penn. State Coll., 1912; M.S., Geo. Washington Univ., 1917; Ph.D., 1919. Alpha Zeta.

Cramer, Ernest Faville, asst. superv. agrl. educ., Capitol Bldg., Des Moines, Ia.

Instr. agr., high-sch., Tipton, Ia., 1913; Ft. Dodge, 1916; Newton, 1917-8.—*b.* Sioux City, Ia., Oct. 12, 1890; *s.* W. F. and Ione (Bean) C.; reared in town; *m.* Elizabeth Nelson, 1919. B.S.A., Ia. State Coll., 1915; M.S.A., Cornell Univ., 1919. Alpha Zeta; Beta Theta Pi.

Cramer, William Ferris, assoc. prof. agrl. educ., Ia. State Coll., Ames, Ia.

Supt. schs., Waverly, Ia., 1880-9; Iowa City, 1892-7; Waukegan, Ill., 1898-1901; Waverly, Ia., 1901-6; Red Oak, 1906-13; Atlantic, Ia., 1913-5; with Fed. Bd. Voc. Educ., 1917-8; present position, 1918–. Mem. exec. com., Ia. State Teach. Assoc. (Agron., agrl. educ.).—*b.* Johnstown, O., Mar. 7, 1855; *s.* John D. and Mary A. (Robison) C.; reared on farm; *m.* Ione J. Bean, Dec. 22, 1881; *c.* W. N., Alice, Ione, Ernest Faville, Helen A. (Mrs. Martin). A.B., Cornell Coll., 1879; B.Sc., Ia. State Coll., 1916; M.Sc., 1917. Alpha Zeta; Gamma Sigma Delta.

Crandall, Benjamin Ray, supt. schs., San Bernardino, Calif.

Princ. schs., Hammond, La., 1889-1902; supt. schs., Rawlins, Wyo., 1902-7; supt. schs., Idaho Falls, Ida., 1907-15; princ. Holtville Union High Sch. Distr., Holtville, Calif. Pres. Ida. State Teach. Assoc., 1912-3. Instr. in agr., asst. emergency co. club leader.—*b.* Andover, N. Y., Dec. 31, 1875; *s.* Sherman G. and Leonora (Wood) C.; reared on farm; *m.* Matilda Fogg, Apr. 12, 1900; *c.* Burton Benj. B.S., Alfred Univ., 1899; B.Ped., Univ. Wyo., 1905; A.M., Univ. Denver, 1905; D.Ped., Alfred Univ., 1911; Ph.D., Univ. Denver, 1915.

Crandall, Daniel Phillips, teach. agr., high-sch., Westfield, N. Y.

Teach. agr., high-sch., Belfast, N. Y., 1915-8; Westfield, 1918–. Sergeant Motor Transport Corps, U. S. Army.—*b.* Carlton, N. Y., Jan. 4, 1890; *s.* Irving W. and M. Anna (Squires) C.; reared on farm; *m.* Frances M. Greene, June 28, 1917; *c.* Mary Evelyn. B.S., Cornell Univ., 1915.

Crandall, Persons Jay, gen. sec. S. D. Farm Bur. Fed., Huron, S. D.

Teach. high-schs., Lyle and Waseca, Minn., 3 yrs.; agrl. agt. Waseca Co., Minn., 1916-8; Union County, S. D., 1918-20; present position, 1920–. Organizer S. D. Fed. Coop. Livestock Shippers, 1920; mem. nat. organization com., Nat. Fed. Coop. Livestock Shippers, 1919; vice-pres. Co. Agts. Assoc. of S. D., 1920; sec. Waseca Co., Minn., Comn. Public Safety, 1917; official del. to Minneapolis Peace Congress; chm. Union Co., S. D., Labor Bd.—*b.* N. Loup, Neb., Apr. 14, 1891; *s.* Calvin E. and Esther (Rood) C.; reared on farm; *m.* Olga Bergan, 1917; *c.* Helen Kathleen. B.S., Univ. Wis., 1915.

Crane, Edward, chief Div. Crop Reports, Bur. Crop Estimates, U. S. Dept. Agr., Washington, D. C.

With Southern Ry. Co., 1902-9; with Off. Grain Standardization, Bur. Soils and Bur. Crop Estimates, U. S. Dept. Agr., 1909–. Mem. Govt. Crop Reporting Bd. Capt. U. S. Reserve Corps. —*b.* Westpoint, Va., Nov. 22, 1884; *s.* A. J. and Edulia W. (Eastwood) C.; reared on farm and in town; *m.* Anne Elizabeth Goodacre, Sept. 28, 1907; *c.* Betty Anne.

Crane, Perry Howard, dairy farmer and breeder Guernsey cattle, Zionsville, Ind.

Ext. serv., Purdue Univ., 1909-10; assoc. milk production, 1911; on ed. and business staff, Hoard's Dairyman, 1911-4. Pres. Ind. State Dairymen's Assoc., 1917; pres. Ind. Guernsey Breeders Assoc., 1916.—*b.* Boone Co., Ind., Dec. 6, 1884; *s.* Thos. J. and America (Howard) C.; reared on farm; *m.* Ruth Roark, Apr. 12, 1911; *c.* Susan, Perry H. Jr., Effie Louise. B.S., Purdue Univ., 1909. Alpha Zeta.

Cranefield, Frederic, sec. Wis. State Hort. Soc., Madison, Wis.

Instr. hort., Univ. Wis., 1897-1904. *Ed.*, Wisconsin Horticulture.—*b.* near Madison, Wis., July 23, 1865; *s.* Jas. and Maria (Tipple) C.; reared on farm; *m.* Laura Hinrichs, Dec. 5, 1894; *c.* Paul Frederic, Harold Alfred, Laura Edith.

Crawford, Horatio H., clergyman, Westport Point, Mass.

Supt. Mott Home for Destitute Children, Vt., 2 yrs.; farmer, 1 yr.; market gardener, 1 yr. (Rural church).—*b.* Surry, Me., Oct. 29, 1882; *s.* Wm. H. and Emma (Foye) C.; reared in country; *m.* Florence Talcott, Sept. 12, 1906; *c.* Helen, Wm., Emma. Student Syracuse Univ., Univ. Vt., Sch. Theol., Boston Univ.

Crawford, Nelson Antrim, head dept. ind. journalism and printing, Kans. State Agr. Coll., Manhattan, Kans.

Teach. English, Kans. State Agr. Coll., 1910-4; present position, 1914–. Dir. publicity, Kans. Council of Defense, 1917–; dir. publicity, U. S. Food Adminis. in Kans., 1917. Vice-pres. Amer. Assoc. Agrl. Coll. Editors, 1916-7, pres., 1917-8. In daily newspaper work, 1906-9; manag. ed., The Kans. Industrialist, 1914–; ed. The Kans. Churchman, 1916-8; assoc. ed., The Midland, 1917–.—*b.* Miller, S. D., May 4, 1888; *s.* N. A. and Fanny (Vandercook) C. A.B., State Univ. Ia., 1910; A.M., Univ. Kans., 1914. Sigma Delta Chi; Phi Kappa Phi.

Crawford, Robert J., farmer, Armada, Mich.

Supt. schs., Richmond, Mich., 9 yrs.; princ. sch., New Haven, Mich., 5 yrs.; co. supt. schs., Macomb Co., 3 terms; co. agt. of charities and corrections, 1908–. State lect. farmers insts.; deputy state insp. orchards and nurseries. —*b.* Armada, Mich., Sept. 1, 1857; *s.* Jas. and Elizabeth (Borland) C.; reared on farm; *m.* Hattie A. Freeman, June 9, 1885; *c.* Maud, Florence, Robt. F. B.S., Mich. Agr. Coll., 1891.

Creelman, George Christie, pres. Ont. Agr Coll., Guelph, Ont.

Prof. biol., Miss. A. & M. Coll., 1889-97; pres. Ont. Agr. Coll., 1904–; comnr. agr., Ont., 1917—. Del. to Intern. Inst. at Rome, 1907; traveled in Europe, Asia, Hawaii, New Zealand, Australia, Philippines. Sec. Amer. Assoc. of Farmers Inst. Workers, 1900-6; pres., 1908.—*b.* Collingwood, Ont., May 9, 1869; *s.* Jas. R. and Isabel (Patterson) C.; reared on farm; *m.* Ada Mills, Sept. 8, 1892; *c.* Jas., Louise, Margaret, Ross, Donald. B.S.A., Toronto Univ., 1888; Miss. A. & M. Coll., 1895; LL.D., McMaster Univ., Toronto, 1910.

Crenshaw, John S., farmer, Cadiz, Ky.

Treas. Amer. Farm Bur. Fed.; treas. Ky. Farm Bur. Fed.; pres. Trigg Co. Farm Bur. Pres. Trigg Co. Development Assoc.; pres. Standard Spar and Chem. Co.; pres. Peoples' Bank; pres. Williams Coal Co. Financial agt., Ky. Council Defense.—*b.* Cadiz, Ky., July 10, 1874; *s.* John W. and Julia (Street) C.; reared in town; *m.* Goldie A. Rice, Nov. 11, 1904; *c.* Margaret. Grad. Ind. Univ., 1890.

Creswell, Charles F., invest. in marketing cotton seed and its products, Bur. Markets, U. S. Dept. Agr., Washington, D. C.

b. Lindley, N. Y., July 7, 1886; *s.* Garrison T. and Sarah Emily (Camp) C.; reared on farm. LL.B., Nat. Univ. of Law, Washington, 1913.

Cribbs, Charles C., minister, Apollo, Pa.

Teach. hist., Elders Ridge Acad., 2 yrs.; princ. schs., Homer City, 1 yr.; pastor E. Butler Presbyterian church, 2 yrs.; Beechwood, 7 yrs. Adv. mem. Rural Com. of Pa. State Sunday Sch. Assoc.; dir. summer sch., Penn. State Coll. (Rural problems).—*b.* Clarksburg, Pa., Nov. 8, 1880; *s.* Armor P. and M. Ella (Marshall) C.; reared on farm; *m.* Cecil A. Stewart, June 7, 1911; *c.* Mary Elizabeth, Marjorie Cecil, Mildred Josephine. A.B., Grove City Coll., 1908; A.M., 1911.

Crider, Franklin Jacob, prof. hort., Univ. Ariz., and hort. Exp. Sta., Tucson, Ariz.

Instr. hort., Clemson Agr. Coll., 1908-9; asst. prof. hort., N. C. A. & M. Coll., 1910-3; assoc. prof. hort., Clemson Agr. Coll., 1913-8; present position, 1918–.—*b.* St. Matthews, S. C., Dec. 1, 1883; *s.* Lawrence E. and Georgella (Hay) C.; reared on farm; *m.* Charlotte Ellen Nash, Dec. 25, 1911; *c.* Dorothy Ellen. B.S., Clemson Agr. Coll., 1908; M.S., Univ. Minn., 1910. Alpha Zeta.

Crittenden, Lee Wright, co. agrl. agt., Albany, N. Y.

Instr. agr., Cortland Normal Sch., 1913-7; Chamberlain Inst., Randolph, N. Y., 1917-8; co. agrl. agt., Middlesex Co., N. J., 1918-9; Albany, N. Y., 1919–.—*b.* Oswayo, Pa., July 1, 1884; *s.* Shubel Edgar and Ida Viola (Rowlee) C.; reared on farm; *m.* Mildred Maria Sliter, Aug. 16, 1916; *c.* Chas. Edgar, Jane Sliter. B.S., Cornell Univ., 1913.

Critz, Hugh, pres. State Agrl. Sch., Russellville, Ark.

Grade teach. city schs., 1896-9; agrst. in agrl. schs., Ala., 1899-1903; supt. sch., Starkville, Miss., 1903-6; dept. math., Miss. A. & M. Coll., 1906-10; dept. agron., 1910-4; dir. sch. ind. educ., 1914-6; princ. Bolton Coll., 1916-8; present position, 1918–.—*b.* Starkville, Miss., Dec. 21, 1876; *s.* Wiley H. and America (Moon) C.; reared in town; *m.* Julia Gillespie; *c.* H. Melville, W. Gillespie, Julia Moon. B.S.A., Miss. A. & M. Coll., 1896.

Critz, Lucy E., home dem. agt., Court House, Pine Bluff, Ark.

Teach. public schs., Over Park, Miss., 1889; La Grange, Tenn., 1890-1; Barton, Miss., 1892; Bauxite, Ark., 1910-3; suprv. primary and grade schs., Searcy, Ark., 1915. 1st pres. Ark. Home Dem. Agts. Assoc.—*b.* near Olive Branch, Miss., Aug. 14, 1871; *d.* Thos. Jas. and Ada Bankhead (Bryan) Payne; reared on farm and in town; *m.* John Gayton Critz, July 5, 1895; *c.* Eileen Adair. Grad. Tenn. Normal Sch.

Crocheron, Bertram Hanford, prof. ext., dir. agrl. ext., Univ. Calif., Berkeley, Calif.

Princ. agrl. high-sch., Baltimore Co., Md., 1909-13; assoc. prof. ext., 1913-9; present position, 1919–. (Rural community organization).—*b.* N. J., May 21, 1882; *s.* David E. and Flora V. (Hanford) C.; reared in country. B.S.A., Cornell Univ., 1908; M.S.A., 1909. Alpha Zeta.

Crockett, Walter Hill, ed. publications and dir. State Publicity Bur., Univ. Vt., Burlington, Vt.

Asst. night ed., Burlington, Vt., Free Press, 1895-1901; news. ed., St. Albans Messenger, 1901-9; manag. ed., Montpelier Morning Journal, 1909-12; official reporter, Vt. House of Representatives, 1902-15. Presidential elector, 1912. Sec. Vt. Soc., Sons of Amer. Revolution; corresponding sec., Vt. Hist. Soc. *Auth.:* History of Lake Champlain, 1909; Vermont, Its Resources and Opportunities, 1915; George Franklin Edmunds, 1920.—*b.* Colchester, Vt., June 26, 1870; *s.* Chas. W. and Martha (Hill) C.; reared on farm; *m.* Kate M. Chamberlain, May 1902; *c.* Eleanor A., Chas. N., Elizabeth.

Cromer, M. E., co. agrl. agt., Greenfield, Ind.

b. Middletown, Ind., Mar. 4, 1890; reared on farm; *m.* Ida Clark Richards, Sept. 1, 1918. B.S.A., Purdue Univ., 1914.

Cromer, Samuel Sayford, prof. agrl. educ., Purdue Univ., La Fayette, Ind.

Instr. educ., Purdue Univ., 1912-4; asst. prof. agrl. educ., 1914-6; assoc. prof., 1916-20; prof., 1920–.—*b.* Middletown, Ind., Apr. 5, 1887; *s.* Rush Henry and Emma Frances (Sayford) C.; reared on farm; *m.* Hortense Miller, Aug. 4, 1915; *c.* Catherine Ann. A.B.,

Wittenberg Coll., 1912; B.S.A., Purdue Univ., 1914. Beta Theta Pi; Kappa Delta Pi.

Cromwell, Arthur D., prof. agr., State Normal Sch., West Chester, Pa.

Prof. agr. and educ., Humboldt Coll., 1896-1912; sent by U. S. Dept. Agr. to teach agr. to teachers in Porto Rico, 1912; present position, 1913–. Formerly agt., Chester Co. Farm Bur. *Auth.:* Agriculture and Life, 1915; Alfalfa for New England, 1915.—*b.* Popejoy, Ia., Sept. 29, 1879; *s.* Frank C. and Elizabeth (Clinesmith) C.; reared on farm; *m.* Sarah E. Wright, June, 1895; *c.* Helen, Seymour, Gertrude. M.Ph., Humboldt Coll.

Cromwell, Richard O., plant path., Off. Cereal Invests., U. S. Dept. Agr., Ia. State Coll., Ames, Ia.

Asst. plant path., N. C. Exp. Sta., 1913-7; ext. plant path., Ia. State Coll. and Off. Truck Disease Invests., 1918-9; present position, 1919–.—*b.* Weeping Water, Neb., Nov. 25, 1890; *s.* Oliver K. and Ella (Wilcox) C.; reared on farm and in town; *m.* Mildred Bell, Apr. 8, 1915. A.B., Univ. Neb., 1912; M.S., N. C. State Coll., 1916; Ph.D., Univ. Neb., 1918. Sigma Xi.

Cron, Alexander B., sci. asst., U. S. Dept. Agr., Chillicothe, Tex.

Specialist in alfalfa culture, U. S. Dept. Agr., 1908-13; asst. in field stas., Amarillo, Tex., 1913-7; in chg. sta., Chillicothe, 1918–. (Dry land forage crops).—*b.* Augusta, Kans., Jan. 4, 1883; *s.* A. G. and Emma F. (Womer) C.; reared on farm; *m.* Bessie Minerva Nicolet, Dec. 7, 1910; *c.* Ralph Nicolet, Lawrence Everett, Minerva Marie. B.S., Kans. State Agr. Coll., 1908.

Crookshank, Luther Vincent, supt. schs., Hamilton, Mo.

Princ. high-sch., Bethany, Mo., 1912-4; supt. schs., Braymer, 1914-6; prof. chem., Teach. Coll., Kirksville, 1917; present position, 1918–. Dir. Hamilton Pig Club. (Agrl. educ.).—*b.* Browning, Mo., Dec. 19, 1889; *s.* J. R. and Martha (Sayers) C.; reared on farm; *m.* Julia Kirk, May 25, 1914; *c.* Robt. B.S., State Teach. Coll., Kirksville, 1912.

Crosby, Cyrus Richard, prof. ent. ext., Cornell Univ., Ithaca, N. Y.

Asst. ent., Univ. Mo., 1904-5; ent. invest., Cornell Exp. Sta., 1906-9; asst. prof., Cornell Univ., 1909-13; prof. ext. ent., 1913–. *Auth.:* (with Slingerland) Manual of Fruit Insects, 1914; (with Leonard) Manual of Vegetable-Garden Insects, 1918.—*b.* Penn Yan, N. Y., Jan. 9, 1879; *s.* Isaac and Drusilla (Eddy) C.; reared on farm; *m.* Nellie G. Heck, Dec. 16, 1905. A.B., Cornell Univ., 1905.

Crosby, Dick Jay, prof. ext. teach., Cornell Univ., Ithaca, N. Y.

Instr. English, Mich. Agr. Coll., 1893-9; asst. agr., U. S. Dept. Agr., 1901-5; specialist in agrl. educ., U. S. Dept. Agr., 1905–; farmer and part-time ext. teach., Cornell Univ., 1913-5; present position, 1915–. (Ext. projects).—*b.* Elbridge, Mich., Oct. 2, 1866; *s.* Daniel Way and Agnes (Colestock) C.; reared on farm; *m.* Mary Lilian Wheeler, 1902; 2d, Mrs. Addie J. Irwin, 1914; *c.* Ruth, Alan Wheeler, Richard Collier. B.S., Mich. Agr. Coll., 1893; M.S., 1901. Alpha Zeta.

Crosby, Matt A., agrst., Off. Farm Manag., U. S. Dept. Agr., Washington, D. C.

(Farm practice and cost of production studies in southern states).—*b.* Hart, Mich., Aug. 2, 1875; *s.* Daniel Way and Agnes (Colestock) C.; reared on farm. B.S., Mich. Agr. Coll., 1902. Alpha Zeta.

Cross, Gurnee G., state co. sec., rural work, Y. M. C. A., 603 A. O. U. W. Bldg., Little Rock, Ark.

b. Ind., Sept. 24, 1883; *s.* Benj. Franklin and Missouri (Watts) C.; reared on farm; *m.* Delia Bennett, June 5, 1911. B.A., Kans. Univ., 1911; Bach. of Assoc. Sci., Y. M. C. A. Coll., Chicago, 1913.

Cross, Lewis Josephus, prof. agrl. chem., Cornell Univ., Ithaca, N. Y.

Asst. prof. agrl. chem., Cornell Univ., 1912-4; prof., 1914–. *Ed.,* The Cornell Chemist, 1912-4.—*b.* Hoosick Falls, N. Y., Oct. 15, 1874; *s.* Waite J. and Hannah M. (Scriven) C.; reared on farm; *m.* Jessie B. Kerr, Dec. 23, 1915; *c.* Margaret E. A.B., Cornell Univ., 1909; Ph.D., 1912. Sigma Xi; Gamma Alpha.

Crossman, Paul Stevens, co. agrl. agt., Smethport, Pa.

Asst. farm manag., U. S. Dept. Agr., 1915; food emergency agt., 1917. Farm operator.—*b.* Hamilton, Pa., Dec. 18, 1890; *s.* Everett Lincoln and Mary Alice (Croasmun) C.; reared on farm; *m.* June 15, 1918. B.S., Penn. State Coll., 1917. Alpha Zeta; Phi Kappa Phi.

Crossman, Samuel Sutton, ent. asst., Bur. Ent., U. S. Dept. Agr., Melrose Highlands, Mass.

b. Needham, Mass., May 30, 1886; *s.* Thos. Jas., and Eliza Ann (Sutton) C.; reared in town; *m.* Pauline Haskell, Dec. 30, 1912; *c.* Faith Sutton, Margaret, Ruth. B.Sc., Mass. Agr. Coll., 1909.

Crouch, Harry Ensign, manag. Albany distr. for Dairymens League, Albany, N. Y.

Manag. Univ. Ill. dairy farm, 11 yrs.; manag. dairy farm, Ann Arbor, Mich., 3 yrs.; manag. Albany Co. Farm Bur., 4 yrs.—*b.* Cohocton, N. Y., June 10, 1878; *s.* Joel M. and Rose Ella (Slayton) C.; reared on farm; *m.* Mary J. Pierce, Dec. 24, 1902; *c.* Mary J., James E., Francis Richard. Studied Cornell Univ., 3 yrs. Gamma Alpha.

Crouch, W. E., biol. asst., U. S. Dept. Agr., State House, Boise, Ida.

b. Napoleon, N. D., Nov. 25, 1891; *s.* E. J. and Cora B. (Lampman) C.; reared on farm and in town; *m.* Lulu M. Fowler, May 11, 1918; *c.* Betty Marie. B.S., N. D. Agr. Coll., 1916. Alpha Gamma Rho.

Cruess, William Vere, asst. prof. zymology, Univ. Calif., Berkeley, Calif.

Asst. zymology, Univ. Calif., 1911-3; asst. prof., 1913–. Farmer, 8 yrs. (Utilization of waste fruits and vegetables, canning and dehydration).—*b.* San Miguel, Calif., Aug. 9, 1886; *s.* Wm. V. and Lucy M. (Withrow) C.; reared on farm. B.S., Univ. Calif., 1911. Sigma Xi; Sigma Phi; Alpha Chi Sigma; Phi Lambda Upsilon.

Cruickshank, Robert Bacon, prof. hort., Ohio State Univ., Columbus, O.

Chg. 1200-acre orchard, Ore., 1910-2. Sec. O. State Hort. Soc. (Pom. ext.).—*b.* Syracuse, N. Y., Oct. 12, 1885; *s.* Robt. and Margaret (Bacon) C.; reared in city; *m.* Marion E. Coburn, Mar. 4, 1912; *c.* Mary Adeline, Robt. Jr. B.S., Univ. Me., 1910. Beta Theta Pi; Alpha Zeta.

Crumb, Samuel Ebb, ent. asst., Bur. Ent., U. S. Dept. Agr., Box 346, Clarksville, Tenn.

Asst. ent., Tex., 1908-9; present position, 1909–. (Noctuid larvae, leaf hoppers).—*b.* Galena, Kans., June 11, 1880; *s.* Leander A. and Sarah (Weaver) C.; reared on farm; *m.* Ruth A. Burchett, Nov. 30, 1911; *c.* Elizabeth R., S. E. Jr. B.A., Univ. Kans., 1908. Sigma Xi.

Culley, Frank Hamilton, prof. lands. arch., Ia. State Coll., Ames, Ia.

Asst. prof. lands. gard., Ia. State Coll., 1914-5; assoc. prof., 1915-8; prof. lands. arch. 1918–. Mem. Country Planning Com., Amer. Civic Assoc. (Recreational lands. design, country planning).—*b.* Fort Dodge, Ia., Aug. 7, 1888; *s.* Charley Hamilton and Ida May (Keeler) C.; reared in town. B.S., Mass. Agr. Coll., 1913; Mast. Lands. Arch., Harvard Univ., 1914.

Cumming, Melville, princ. Coll. of Agr., Truro, N. S.

Asst. prof. an. husb., Ont. Agr. Coll., 1901-5; sec. for agr. and princ. Coll. Agr., Province of N. S., 1907–. Traveled in Great Britain and Europe studying and purchasing live-stock.—*b.* Stellarton, N. S., Jan. 5, 1876; *s.* Thos. and Matilda (McNair) C.; reared in town and country; *m.* Mary Alice Archibald, June 13, 1905; *c.* Jean, Alison Archibald, Mary Rutherford, Melville Erskine. B.A., Dalhousie Univ., Halifax, 1897; B.S.A., Ia. State Coll., 1900; B.S.A., Toronto Univ., 1901; LL.D., Dalhousie Univ., 1919.

Cummings, Abraham L. T., agrl. ed. and chg. dept. journalism, Univ. Me., Orono, Me.

Formerly reporter and ed., Biddeford and Portland, Me.; western Me. staff rep. Boston Herald; clerk, common council, Portland, 7 yrs.; deputy collector revenue, 5 yrs.; city clerk, 3 yrs.; publicity sec., Portland Chamber Commerce, 2 yrs.—*b.* Saco, Me., Feb.

13, 1865; *s.* John G. and Theodate (Tasker) C.; reared in city and country; *m.* Angie F. Morton, Sept. 3, 1889.

Cummings, Marshall Baxter, prof. hort., Univ. Vt., Burlington, Vt.

Sec. Vt. Hort. Soc.—*b.* N. Thetford, Vt., Dec. 2, 1876; *s.* H. P. and Alpha Maria (Baxter) C.; reared on farm; *m.* Lura Alice Bugbee, Aug. 24, 1910; *c.* Preston Curtis, M. B. Jr. B.S., Univ. Vt., 1901; M.S., Univ. Me., 1904; Ph.D., Cornell Univ., 1909. Sigma Xi; Alpha Zeta; Gamma Alpha.

Cunningham, Clarence Carl, asst. prof. farm mech., Purdue Univ., W. LaFayette, Ind.

Farmer, Kempton, Ind., 1914-5; special instr. civil engin., summer camp of Purdue, 1914, 15, 18, 19; engin. corps, Penn. R. R., Fort Wayne, Ind., 1916; asst. farm mech., Purdue Univ., 1916-7; instr., 1917-8; asst. prof., 1918–.—*b.* Kempton, Ind., June 7, 1890; *s.* A. Granville and Mary (Hargrave) C.; reared in country; *m.* Jessie Fern Ploughe, June 7, 1914. B.S.C.E., Purdue Univ., 1914.

Cunningham, Claude C., assoc. prof. agron., Kans. State Agr. Coll., Manhattan, Kans.

Asst. agron., Kans. State Agr. Coll., 1907-9; agron., Ft. Hays Branch Exp. Sta., 1909-12; from asst. to assoc. prof., Kans. State Agr. Coll., 1912–.—*b.* Parallel, Kans., July 5, 1883; *s.* John S. and Genevieve (Whitney) C.; reared on farm. Grad. Kans. State Agr. Coll., 1903; student Cornell Univ., 1905-6.

Cunningham, John Ferguson, ed. Ohio Farmer, Cleveland, O.

Instr. hort. and for., Ohio State Univ., 1898-9; present position, 1899–. Mem. Bd. of Trustees, Ohio State Univ. Farm operator. *Ed.*, Journal Columbus Hort. Soc. Co-founder Agricultural Student Magazine, 1894; ed., 1894-8.—*b.* Afton, Ia., Feb. 4, 1877; *s.* Robt. Henry and Virginia Ross (Loy) C.; reared in country; *m.* Edna Mumper, Oct. 30, 1907; *c.* John F. Jr., Richard M. B.Sc., Ohio State Univ., 1897; M.Sc., 1899. Sigma Xi; Phi Gamma Delta; Alpha Zeta (co-founder).

Cunningham, Omer Cole, prof. dairying, N. Mex. A. & M. Coll. State College, N. Mex.

Prof. dairying and an. husb., Winona Coll. Agr., Ind., 1906-9; instr. dairying, Ohio State Univ., 1909-11; asst. prof., 1911-8; dairy husb., Bur. An. Ind., U. S. Dept. Agr.—*b.* Switzerland Co., Ind., Apr. 15, 1882; *s.* Jonathan R. and Margaret O. (Cole) C.; reared on farm; *m.* Anna Blanche Eaton, July 2, 1908; *c.* Jonathan R. B.S.A., Purdue Univ., 1906.

Cunningham, Walter Stanley, assoc. prof. dairy husb., Univ. Ariz., Tucson, Ariz.

Asst. an. husb., N. Mex. A. & M. Coll., 1912-4; present position, 1914–.—*b.* Ind., Mar. 21, 1885; *s.* J. R. and Margaret O. (Cole) C.; reared on farm; *m.* Clara M. Schroeder, Aug. 26, 1915. B.S.A., Purdue Univ., 1909.

Current, Marion Hall, home dem. agt., Painesville, O.

Teach. public schs., N. Y., 1907-9; asst. instr. foods, Cornell Univ., 1911-2; present position, 1918–.—*b.* Brooklyn, N. Y., Sept. 15, 1886; *d.* Isaac C. and Mary (Smith) Wilson; reared in town; *m.* Guy L. Current, Oct. 16, 1909; *c.* Catherine E., Margaret H., Belle M. Student Cornell Univ.

Currey, Hiram Meyrick, asst. prof. agron., Ida. Tech. Inst., Pocatello, Ida.

With U. S. Bur. Markets, 1917-8.—*b.* Cannelton, Ind., Oct. 10, 1887; *s.* Hiram Meyrick and Fannie (Smith) C.; reared on farm. B.S.A., Ore. Agr. Coll., 1915; grad. student, Cornell Univ., 1916-7. Sigma Phi Epsilon; Gamma Sigma Delta.

Currier, Edwin L., prof. farm manag. and head dept. of Exp. Sta., Mont. Agr. Coll., Bozeman, Mont.

b. St. Edward, Neb., Oct. 24, 1887; *s.* John W. and Adella (Lovejoy) C.; reared on farm; *m.* Bernice Chambers, June 4, 1914; *c.* Helen, Merrill Chambers. B.S., Univ. Neb., 1912.

Curtis, Franklin Richards, co. agrl. agt., Demopolis, Ala.

Agt. Craighead Co., Ark., 1913-4; agt. Marengo and Sumter Cos., Ala., 1914-6; agt. Marengo, Hale and Perry Cos., 1916-7; dir. Canebrake Agr. Exp.

Sta., Uniontown, Ala., 1917; agt. Marengo Co., 1918–.—*b.* Shelby Co., Ala. Jan. 4, 1894; *s.* Joseph Franklin and Kate (Richards) C.; reared in small town; *m.* Anne Beall McCants, Jan. 25, 1918. B.S., Ala. Poly. Inst., 1912. Lambda Chi Alpha.

Curtis, Harry Pennybacker, co. agrl. agt., Steubenville, O.

Instr. sci., high-sch., New Providence, Ia., 1915-6; formerly agt. Braxton Co., W. Va.—*b.* Little Hocking, O., Mar. 7, 1891; *s.* A. L. and Mary (Pennybacker) C.; reared on farm. B.S.A., Ohio State Univ., 1915.

Curtis, Henry S., writer and lect., Olivet, Mich.

Teach. English, N. Y. City high-sch, 1899-1905; general dir. playgrounds, N. Y. City, summer, 1898-1901; lect. Columbia Univ., summer, 1893; lect. World's Fair, summer, 1894; superv. playgrounds, Distr. Columbia, 1905-9; sec. Playground Assoc. of Amer., 1906-9. Y. M. C. A. recreation work in France. Traveled in Europe and Porto Rico. *Auth.:* Play and Recreation for the Open Country, 1904; Education Through Play, 1915; The Practical Conduct of Play, 1915; The Play Movement and its Significance, 1917; Recreation for Teachers, 1918.—*b.* Olivet, Mich., Feb. 9, 1870; *s.* Samuel and Mary (Stoddard) C.; reared on farm; *m.* Charlotte Doremus Scudder, Nov. 25, 1902; *c.* Henry Stoddard, Bessie Scudder, Elnora Charlotte. A.B., Olivet Coll., 1894; A.B., Yale Univ., 1895; Ph.D., Clark Univ., 1898. Phi Alpha Pi.

Curtis, John Gerrit, co. agrl. agt., White Plains, N. Y.

Lect. N. Y. State farmers insts., 1904-15; also N. J. and W. Va. insts.; agt. Westchester Co., 1915–. Chg. Chilean govt. exhibit fert. materials, World's Fair, 1893; U. S. govt. exhibit, St. Louis Expos., 1904. Invest. phosphate mines of S. C., Fla., Tenn., Canada. Farm operator. (Soil fert.).—*b.* Rochester, N. Y., Aug. 8, 1870; *s.* Geo. M. and Mary E. (Campbell) C.; reared on farm; *m.* Martha Elizabeth Heermans, June 2, 1906. Grad. Genesee Wesleyan Sem., Lima, N. Y., 1890.

Curtis, Ralph Wright, prof. lands. art, Cornell Univ., Ithaca, N. Y.

Asst. supt. parks, Boston, 1906-9; asst. supt. Arnold Arboretum, Mass., 1909-12; with Warren H. Manning, lands. designer, 1912; asst. prof. lands. art, Cornell Univ., 1912-5; prof., 1915–. —*b.* Burlington, Wis., Dec. 8, 1877; *s.* Chas. Burritt and Mira (Vail) C.; reared in town; *m.* Alison M. Pettigrew, Sept. 3, 1910; *c.* Roger Sherman. B.S.A., Cornell Univ., 1901; M.S.A., 1905. Alpha Zeta; Gamma Alpha.

Curtis, Wyman Braun, co. agrl. agt., Tuskegee, Ala.

Asst. co. agt., Van Zandt Co., Tex., 1917-8; agt. Sumter Co., Ala., 1918-9; agt. Macon Co., 1919–. Sec. Sumter Co. Swine Growers Assoc.—*b.* Blocton, Ala., June 27, 1897; *s.* J. F. and Katherine (Richards) C.; reared on farm; *m.* Daphne Hixson, Aug. 26, 1919. B.S., Tex. A. & M. Coll., 1917.

Curtiss, Charles F., dean and dir. Div. Agr., Ia. State Coll., Ames, Ia.

Dir. Ia. State Bd. Agr.; dir. and exec. com., Intern. Live-Stock Expos.; pres. Amer. Berkshire Assoc.; ex-pres. Shropshire Assoc.; dir. Percheron Soc. of Amer.; dir. and exec. com., Nat. Soc. Live-Stock Record Assoc. Mem. horse-breeding and meat invest. com., U. S. Dept. Agr. Special invest. for U. S. Dept. Agr., Great Britain and Mexico. Consulting ed., Agricultural Digest. Farm operator.—*b.* Boral, Ill., Dec. 12, 1863; *s.* Franklin and Margaret (Schmitz) C.; reared on farm; *m.* Olive Wilson, Feb. 15, 1893; *c.* Ruth, Edith, Helen. B.S., Ia. State Coll., 1887; M.S., 1894; D.Sc., Mich. Agr. Coll., 1907. Delta Tau Delta.

Cutler, Garnet Homer, prof. field husb., Univ. Alberta, Edmonton, Alta.

Lect. cereal husb., McDonald Coll., McGill Univ., 1909-12; prof. cereal husb., Univ. Sask., 1913-6; present position, 1917–. Mem. Provincial Seed Bd. of Alta.; chm. Provincial Com. on Field Crop Expts.; chm. plant-breeding com., W. Canadian Soc. Agron.—*b.* Arkona, Ont., June 12, 1882; *s.* Albert Elgin and Annie Sarah (Belton) C.; reared on farm; *m.* Gertrude Campbell, June 6, 1911; *c.* Mabelle Gertrude. B.S.A., Toronto Univ., 1909.

D

Dacy, Arthur Lincoln, assoc. prof. veg. gard., Mass. Agr. Coll., Amherst, Mass.
Asst. hort., W. Va. Exp. Sta., 1908-12; assoc. prof. hort. and assoc. hort. Exp. Sta., W. Va. Univ., 1912-8; present position, 1918–.—*b.* S. Boston, Mass., Nov. 10, 1875; *s.* Geo. L. and Sarah A. (Kimball) D.; *m.* Amelia Muir Bachmann, Aug. 16, 1905; *c.* Geo. Alden, Muriel Louise, Earle Bachmann, Arthur Kimball. B.S.A., Mass. Agr. Coll., 1902.

Dadant, Camille Pierre, ed. American Bee Journal, Hamilton, Ill.
Beekeeper, 1868–. Del. to Intern. Beekeepers Assoc., Paris, 1900. *Auth.:* Hive and Honey Bee, 1907; A Bee Primer, 1914; First Lessons in Beekeeping, 1917.—*b.* Langres, France, Apr. 6, 1851 (naturalized 1872); *s.* Chas. and Gabrielle (Parisot) D.; reared in city and country; *m.* Marie Marinelli, Nov. 1, 1875; *c.* Louisa, Valentine, Louis, Henry, Maurice, Clemence, Harriette.

Dadisman, Andrew Jackson, assoc. prof. agrl. econ. and farm manag., Univ. W. Va., Morgantown, W. Va.
Teach. rural schs., 3 yrs.; town and city schs., 5 yrs.; Off. Farm Manag., U. S. Dept. Agr., 2 yrs. Farm help specialist for W. Va., 1917-8.—*b.* Grafton, W. Va., Feb. 5, 1881; *s.* Newton and Lucetta (Williamson) D.; reared on farm; *m.* Iona Smith, June 14, 1919. B.S.A., W. Va. Univ., 1914; M.S.A., Cornell Univ., 1914. Kappa Sigma.

Dadisman, Samuel Houston. asst. prof. agrl. educ., Univ. Calif., Davis, Calif.
Asst. prof. agrl. educ., Ia. State Coll., 1914-5; assoc. prof., 1915-7; present position, 1917–. Farmer, Bolton, Tenn., 1 yr.; W. Va., 2 yrs. *Auth.:* Elementary Exercises in Agriculture, 1914; Exercises in Agriculture, 1916.—*b.* Grafton, W. Va., June 12, 1879; *s.* Newton and Lucetta (Williamson) D.; reared on farm; *m.* Esta Kemper, June 24, 1915. B.S.A., W. Va. Univ., 1912; M.S., Univ. Calif., 1917.

Dahlberg, Oke A., co. agrl. agt., Milaca, Minn.
Private Vet. Corps; 2d Lieut., F. A. R. C., U. S. Army.—*b.* Dorchester, Wis., Nov. 8, 1893; reared on farm and in town. B.S., Univ. Minn.

Dakan, Everett LeRoy, asst. prof. poultry husb., Ohio State Univ., Columbus, O.
Asst. poultry husb., Univ. Mo., 1917-8; prof., S. D. State Coll., 1918-9; present position, 1919–. Farm manag., Jackson Co., Mo., 1 yr.—*b.* Savannah, Mo., June 29, 1889; *s.* Spencer Brown and Elsie Jane (Watts) D.; reared on farm; *m.* Gladys Lovelle Ayers, Sept. 14, 1916; *c.* Elsie Jane, Everett Ayers. B.S.A., Univ. Mo., 1918.

Dalbey, Dwight Stout, farmer, Beatrice, Neb.
Instr., Univ. Ill., 1902-3. Mem. Gage Bd. Supervisors, 1910-5; mem. Neb. Legislature, 1915-20; speaker House, 3 sessions. Pres. Gage Co. Farmers Inst., 1908-13. Traveled in Europe, Hawaii.—*b.* Taylorville, Ill., Sept. 22, 1878; *s.* Wm. M. and Mary (Hall) D.; reared on farm; *m.* H. Virginia Lewis, Dec. 23, 1903. B.S., Univ. Ill., 1902.

Dalbey, Mary B., home dem. agt., Woodstock, Ill.
b. Cedar Rapids, Ia., July 1, 1891; *d.* Henry and Janet (Evans) Bennett; reared in city; *m.* D. E. Dalbey; *c.* Henry J., Mary D., John B. B.S., Coe Coll., Cedar Rapids. Kappa Delta.

Dale, Carl Cone, co. agrl. agt., Ord, Neb.
2d Lieut. Field Artillery, U. S. Army, 1918. (An. husb.).—*b.* Waverly, Neb., Apr. 19, 1893; *s.* Isaac F. and Emma J. (Cone) D.; reared on farm; *m.* Marguerite L. Sowle, Sept. 21, 1918; *c.* Barbara Anne. B.Sc., Univ. Neb., 1918. Alpha Zeta.

Dalrymple, William Haddock, dean Coll. Agr. and dir. Exp. Sta., La. State Univ., Baton Rouge, La.
Formerly prof. comp. med. and vet. Exp. Sta., La. State Univ. Pres. U. S. Exp. Sta. Vet. Med. Assoc., 1901-2; pres. Amer. Vet. Med. Assoc., 1907-8; pres. U. S. Live-Stock Sanitary Assoc., 1908-9; vice-pres. La. State Sanitary Assoc.; mem. exec. com. Nat. Live-Stock Assoc., 1902-4; former sec. La. State Agrl. Soc. and La. Stockbreeders Assoc.; ex-pres. La. Vet. Med. Assoc.; pres. La. Soc. of Naturalists; mem. La.

State Live-Stock Sanitary Bd. Reporter on anthrax for U. S. 10th Intern. Vet. Congress, London, 1914; mem. Intern. Congress on Tuberculosis, Washington, D. C., 1908; 15th Intern. Congress on Hygiene and Demography, Washington, 1912. Fellow Glasgow Vet. Med. Soc. Traveled in S. Africa and Europe. Former ed. live-stock dept., New Orleans Picayune; ed. Journal of Amer. Vet. Med. Assoc., 1918-9. *Auth.:* Veterinary Obstetrics, 1896.—*b.* Stranraer, Wigtownshire, Scotland, Apr. 23, 1856 (came to Amer. 1889); *s.* Thos. and Mary Eleanor (Haddock) D.; *m.* Mary Isabel Umpleby, Aug. 27, 1891; *c.* W. C. S., Mary Eleanor. M.R.C.V.S., Glasgow Vet. Coll., 1886.

Danforth, Herman W., pres. Fed. Land Bank, St. Louis, Mo.

Teller First Nat. Bank, Kankakee, Ill., 1892-5; attorney, Peoria, Ill., 1899-1907; farm manag., Washington, Ill., 1907-17; present position, 1917–. Pres. Farmers Grain Dealers Assoc., 2 yrs.; pres. Nat Council Farmers Coop. Assocs., 5 yrs.; pres. Tagewell Co. Farm Bur., 5 yrs.; pres. Ill. Agrl. Assoc., 1 yr. Traveled in Europe.—*b.* Danforth, Ill., June 15, 1872; *s.* Henry R. and Mary (Wenger) D.; reared in town; *m.* Louise Leonard, Oct. 18, 1905; *c.* Mary Louise, Elizabeth Herman L. LL.B., Univ. Mich., 1899.

Daniels, Doris Alden, home dem. agt., Stockton, Calif.

Teach. home econ., high-sch., Monrovia, Calif., 1910-3; asst. prof. home econ., Wash. State Coll., 1917-8; dir. and instr. dietetics, U. S. Naval Hospitals, 1918-9; instr., Univ. Calif., summers 1917-20; home dem. agt., San Joaquin Co., 1919–.—*b.* Toledo, O.; *d.* Rensselaer Wilkinson and Edith (Alden) D.; reared in city. A.B., Univ. Calif., 1917. Phi Beta Kappa; Iota Sigma Pi; Alpha Nu.

Danielson, Edward Roseman, sec. Neb. Bd. of Agr., Lincoln, Neb.

b. Missouri Valley, Ia., Dec. 30, 1881; *s.* John A. and Eva (Roseman) D.; reared on farm; *m.* Mary Maud Barnard, Oct. 21, 1903; 2d, Edna Maud Bruner, Sept. 14, 1908; *c.* Helen M., John Arthur, Robt. Bruce.

Danielson, H. R., co. agrl. agt., Rugby, N. D.

Farm statistician, Marshall, Minn., 1904-6; farm manag. and instr. farm engin., N. W. Sch. Agr., Crookston, 1907-12; farm manag. for Wm. H. Bovey, Washburn Crosby Co., Minneapolis, 1915-8; co. agt. Pierce Co., N. D., 1918–.—*b.* Goodhue, Minn., June 2, 1880; *s.* John and Sophia (Larson) D.; reared on farm; *m.* Mae E. Meehl, May 2, 1906; *c.* Russell, Donald, Marjorie.

Danziger, Milton, asst. boys' and girls' ext. work, States Relations Serv., U. S. Dept. Agr., Washington, D. C.

Agrl. lect., Calif. Development Bd., San Francisco, 1911-6. Sec. Amer. Cadets World Tour, 1913-4. Served as Sergeant, U. S. Army, World War.—*b.* San Francisco, Calif., May 30, 1894; *s.* Louis and Dora (Katts) D.; *m.* Agnes Morton, June 25, 1919. Student San Francisco Sch. Commerce, Mass. Agr. Coll.

Darche, John H., strawberry-grower, Parkville, Mo.

Assoc. ed. on hort., Missouri and Kansas Farmer, 8 yrs.—*b.* Ont., Canada, Feb. 6, 1840; *s.* Peter Darcher and Mary (Brown) D.; reared in village.

Darg, John James, field agt., U. S. Bur. Crop Estimates, Bryantown, Md.

Teach. public schs., Charles Co., Md., 17 yrs.; clerk Div. Farms and Mortgages, U. S. Census, 1890-4; teach. sch., 1894-8; with U. S. Dept. Agr., 1898–.—*b.* Dirleton, Scotland, Apr. 9, 1851 (naturalized 1879); *s.* John Jas. and Jane (Trotter) D.; *m.* Jennie E. Trotter, June 10, 1879; *c.* Mary Wilhelmina, Nora Elspeth, Jessie Harriet, Jennie Marghuerite, Jas. Hyde.

Darling, Floyd Nelson, co. agrl. agt., Keene, N. H.

Instr. voc. agr., high-sch., Walton, N. Y., 1912-3; present position, 1913–. Chm. Com. on Revision of Syllabus Voc. Agr., N. Y. State, 1912.—*b.* Coudersport, Pa., Aug. 12, 1885; *s.* Thaddeus S. and Mary L. (Teuscher) D.; reared on farm; *m.* Margaret P. Stanion, Dec., 1910; *c.* Virginia N. B.S., Cornell Univ., 1910.

Darlington, P. S., distr. hort. insp., Wenatchee, Wash.

Chief pack and grade insp. for Wenatchee distr., N. Pacific Fruit Distributors, 1914; distr. hort. insp., Wash., 1907-14, 1917–. Supt. Boston-Okanogan Apple Co., Wash., 1 yr. (Pest control, orcharding under irrig.). —*b.* West Chester, Pa., Jan. 15, 1879; *s.* Thos. H. and Jane (Paschall) D.; reared on farm; *m.* Elenora N. Rhodes, June 28, 1910; *c.* Norris P., Harold A., Arthur R., Stanley B. B.S., Univ. Ida., 1907. Kappa Sigma.

Darnell, Albert Laurie, dir. Sch. Agr., John Tarleton Agr. Coll., Stephenville, Tex.

Asst. dairying, Miss. A. & M. Coll., 1914; instr., Tex. A. & M. Coll., 1915; asst. and fellow, Univ. Mo., 1915-6; bact., Birmingham, Ala., 1916; prof. dairy husb., State Agrl. Sch., Ark., 1916; federal agt. dairying, Mont., 1917; present position, 1917–. (Dairying).—*b.* Holmes Co., Miss., Dec. 14, 1891; *s.* G. W. and Mary E. D.; reared on farm; *m.* Frances Allen, Sept. 8, 1917; *c.* Frances Laurie. A.B., Univ. Miss., 1911; B.Sc., Miss. A. & M. Coll., 1913; M.A., Univ. Mo., 1916. Gamma Sigma Delta.

Darrow, Earl B., assoc. prof. an. husb., Colo. Agr. Coll., Ft. Collins, Colo.

State dairy insp., Colo., 1916-8; co. agrl. agt., 1918-9; present position, 1919–. (Dairying).—*b.* Viola, Wis., Aug. 10, 1889; *s.* Eugene and Clara (Barton) D.; reared on farm; *m.* May Will, Oct. 22, 1916; *c.* Robt. John, Floyd Fremont. B.S.A., Colo. Agr. Coll., 1916. Sigma Alpha Epsilon.

Darrow, George McMillan, sci. asst., Bur. Plant Ind., Washington, D. C.

In U. S. Army, 1918-9. (Small-fruits). —*b.* Springfield, Vt., Feb. 2, 1889; *s.* Guy Calvin and Maria (McMillan) D.; reared on farm; *m.* Grace E. Chapman, 1919. A.B., Middlebury Coll., 1910; A.M., Cornell Univ., 1911. Kappa Delta Rho.

Darrow, Wayne Hiram, co. agrl. agt., Floydada, Tex.

b. Lakewood, N. Y., Apr. 12, 1894; *s.* Jas. Eugene and Julia Irene (Bugbee) D.; reared in town; *m.* Linda Marshall, Aug. 26, 1916; *c.* Thos. Stephen, Philena Edgerton. B.S., Cornell Univ., 1916.

Darrow, William Hinds, ext. specialist in marketing, Conn. Agr. Coll., Storrs, Conn.

Instr. hort., Univ. Me., 1912-3; practical orchard work, Va., Md., N. Y., Vt., 1913-6; supt. schs., Waterbury, Vt., 1916-7; sci. asst., Bur. Markets, U. S. Dept. Agr., 1917-8; superv. city market reporting, 1918-9; food products insp., 1919-20; present position, 1920–.—*b.* Springfield, Vt., May 7, 1890; *s.* Guy C. and Maria (McMillan) D.; reared on farm and in village; *m.* Ellen Person, 1918. A.B., Middlebury Coll., 1911; A.M., Cornell Univ., 1912; M.S., Univ. Me., 1913. Kappa Delta Rho.

Darst, Williard Holden, asst. prof. agron., Penn. State Coll., State College, Pa.

b. Covington, O., Nov. 7, 1884; *s.* D. M. and Addie (Darner) D.; reared on farm; *m.* Janet Caley, 1913; *c.* Williard H. Jr. B.S.A., Ohio State Univ., 1910.

Davenport, Eugene, dean Coll. Agr., Univ. Ill., Urbana, Ill.

Prof. agr., Mich. Agr. Coll., 1889-91; pres. Collegio Agronomica, Sao Paulo, Brazil, 1891-2; dean Coll. Agr. and dir. Exp. Sta., Univ. Ill., 1895–. Fellow A. A. A. S. Mem. Authors' Club, London, England. *Auth.:* Principles of Breeding, 1907; Education for Efficiency, 1909; Domesticated Animals and Plants, 1910.—*b.* Woodland, Mich., June 20, 1856; *s.* Geo. Martin and Esther (Sutton) D.; reared on farm. *m.* Emma Jane Coats, Nov. 2, 1881; *c.* Dorothy, Margaret. B.S., Mich. Agr. Coll., 1878; M.Agr., 1895; LL.D., 1907; D. Sc., Ia. State Coll., 1920. Delta Tau Delta.

Davenport, Stearnes Lothrop, head fruit and bee depts., Essex Co. Agrl. Sch., Hathorne, Mass.

Fruit-grower, N. Grafton, Mass., 1908–; present position, 1913–. Pres. E. Mass. Beekeepers Soc., 1917-20.—*b.* Grafton, Mass., Dec. 10, 1885; *s.* Stearnes L. and Jennie A. (Hawes) D.; reared on farm; *m.* Alice C. Wing, Feb. 21, 1911; *c.* Jean Wing, Phyllis Emily. B.S., Mass. Agr. Coll., 1908. Kappa Sigma; Phi Kappa Phi.

Davidson, Gabriel, gen. manag. The Jewish Agrl. and Ind. Aid Soc., 174 Second Ave., New York, N. Y.

Mem. Adv. Com., Fed. of Jewish Farmers of Amer.—*b.* New York City, Jan. 23, 1879; *s.* David and Hannah (Gerechter) D.; reared in city; *m.* Anna Perlowitz, June 26, 1910; *c.* Hannah Adele. LL.B., N. Y. Law Sch., 1900; LL.M., N. Y. Univ., 1901.

Davidson, Jay Brownlee, prof. agrl. engin., Ia. State Coll., Ames, Ia.

Adj. prof. farm mech., Univ. Neb., 1905-6; prof. agrl. engin., Ia. State Coll., 1906-15, 1919–; prof. agrl. engin., Univ. Calif., 1915-9. Sec.-treas. Amer. Soc. Agrl. Engin. *Auth.:* (with Chase) Farm Machinery and Farm Motors, 1908; Agricultural Engineering, 1913. —*b.* Douglas, Neb., Feb. 15, 1880; *s.* Jas. H. and Margaret (Dixon) D.; reared on farm; *m.* Jennie Baldridge; *c.* Margaret E., Ethel B., Helen M. B.S., M.E., Univ. Neb., 1904; A.E., 1914. Phi Beta Kappa; Sigma Xi; Sigma Tau; Tau Beta Pi; Alpha Zeta.

Davidson, Sidney Harold, sci. asst., Bur. Markets, U. S. Dept Agr., Washington, D. C.

In U. S. Army, 1918-9.—*b.* Wadena Minn., Feb. 23, 1896; *s.* Morris and Emma (Katzky) D. B.S., Univ. Calif., 1917. Alpha Zeta.

Davies, George W., co. agrl. agt., Lancaster, Wis.

Co. supt. schs., Sauk Co., Wis , 1906-18; agt. Grant Co., 1919–. Sec. Country Life Assoc.; sec. Grant Co. Bee Keepers Assoc.; supt. educ. dept., Wis. State Fair.—*b.* Spring Green, Wis., Nov. 1, 1874; *s.* David J. and Mary (Jones) D.; reared on farm; *m.* Emma B. Bible, 1901; *c.* Maurice, Mary, Helen.

Davies, Llewellyn Rhys, assoc. prof. teach. training in voc. agr. and state superv. voc. agrl. educ., Univ. Wyo., Laramie, Wyo.

Beet chem., Wis. Sugar Co., Menomonee Falls, 1904-5; sci. aid and asst., Bur. An. Ind., U. S. Dept. Agr., 1905-8; asst. in feed and fert. insp. and dairy tests, Wis. Exp. Sta., 1909-10; princ. Marinette Co. Agr. Sch., 1910-2; prof. agr. and sci., Whitewater State Normal Sch., 1912-5; prof. agr. and sci., Humboldt State Normal Sch., Arcata, Calif., 1915-9; present position, 1919–.—*b.* Earlville, N. Y., Jan. 14, 1882; *s.* Thos. J. and Mary A. (Hughes) D.; reared in town. B.S.A., Univ. Wis., 1904; student Cornell Univ., 1908-9, Univ. Wis., 1914, Univ. Calif., 1917. Alpha Zeta; Acacia.

Davis, Arthur Grant, co. agrl. agt., Litchfield, Conn.

Instr. agr., high-sch., Hopkinton, N. H., 1913-4; princ. and instr. agr., high-sch., Antrim, 1914; co. agt., Merrimack, N. H., 1915-9; Conn., 1919–.—*b.* E. Jaffrey, N. H., Aug. 17, 1887; *s.* Chas. B. and Clara E. (Ames) D.; reared on farm; *m.* Cecile F. Livingstone, June 29, 1912; *c.* Grant L., Robt. C., Beverly C. B.S., N. H. A. & M. Coll., 1912. Gamma Theta.

Davis, Boothe Colwell, pres. Alfred Univ., Alfred, N. Y. (with which a state school of agriculture is affiliated).

Ordained Baptist minister, 1893; pastor, Alfred, N. Y., 1893-5; prof. philosophy and ethics, Alfred Univ., 1895–; pres., 1908–. *Auth.:* Country Life Leadership, 1920.—*b.* Jane Lew, W. Va., July 12, 1863; *s.* Samuel D. and Elizabeth (Fitz-Randolph) D.; reared on farm; *m.* Estelle W. Hoffman, 1893; *c.* Stanton H., Elizabeth R., Boothe C. Jr. A.B., Alfred Univ., 1890; B.D., Yale Univ., 1893; Ph.D., Nat. Normal Univ., 1897; LL.D., Alfred Univ., 1915.

Davis, Chester Charles, ed. and manag. Montana Farmer, Great Falls, Mont.

b. Dallas Co., Ia., Nov. 17, 1887; *s.* Wm. Highland and Eva Elizabeth (Johnson) D.; reared on farm; *m.* Helen Gail Smith, Aug. 14, 1913; *c.* Chester Smith, Norman Hall. B.A., Grinnell Coll., Ia., 1911.

Davis, Deane Griswold, co. agrl. agt., Ipswich, S. D.

Asst. agrl. econ., Univ. Wis., Apr.-Aug., 1919; present position, 1919–. Sec. Edmunds Co. Woolgrowers Assoc.; Ensign, U. S. N. R. F.—*b.* Duluth, Minn., Nov. 13, 1895; *s.* John J. C. and Emma Alice (Taylor) D.; reared in city. B.S., Univ. Wis., 1918. Alpha Zeta; Alpha Gamma Rho.

Davis, Edward Gorton, prof. lands. arch., Cornell Univ., Ithaca, N. Y.

Practical lands. arch., 1904-11, at Denison Univ., 1903-5, with Bryant

Fleming, Buffalo, 1905-11; present position, 1911–. Traveled in England, France and U. S. studying residence plans.—*b.* Cincinnati, O., 1880; *s.* Geo. F. and Lucy (Gorton) D.; reared in city and country place; *m.* Marion Briggs, 1908; *c.* Dorothea, E. Gorton Jr. B.S., Denison Univ., 1905. Beta Theta Pi.

Davis, Ellen Lillian, home dem. agt., Upper Marlboro, Md.
Instr. public schs., N. Y., 1917-9; present position, 1919–.—*b.* N. Loup, Neb., Oct. 16, 1892; *d.* Henry E. and Ella R. (Williams) D.; reared in town and on farm. Grad. Pratt Inst., 1917.

Davis, Frank Leslie, co. agrl. agt., Putnam, Conn.
Instr. agr., high-sch., Harwich, Mass., 1916-8; asst. agrl. agt.. Plymouth Co., Mass., 1918-20; present position, 1920–.—*b.* Mendon, Mass., Sept. 7, 1892; *s.* Wm. H. and Mary L. (Lancio) D.; reared on farm; *m.* Esther Marie Dodge, Nov. 25, 1915; *c.* Roger Leslie. B.Sc., Mass. Agr. Coll., 1916. Lambda Chi Alpha.

Davis, Fred L., farmer, White River Junction, Vt.
Sec. Vt. State Fair, 14 yrs.; sec. Vt. Dairymens Assoc., 11 yrs., pres. 2 yrs.; sec. Bd. Agr.; live-stock comnr., 8 yrs. Mem. State Legislature, 1900; State Senator, 1906.—*b.* Norwich, Vt., Feb. 2, 1861; *s.* Reuben and Minerva (Maxham) D.; reared on farm; *m.* Genevieve F. Snow, 1885 (d. 1905); *c.* Howard M., Marguerite, Marion.

Davis, George E., co. agrl. agt., Stilwell, Okla.
In lumber business in Okla., 7 yrs.; newsdealer, 6 yrs.; city newspaper ed., 3 mos.—*b.* Franklin Co., Kans., Nov. 10, 1886; *s.* Sherman A. and Effie Julia (Ferris) D.; reared on farm; *m.* Carrie C. Tansel, May 10, 1908; *c.* Bessie Vinita, Geo. Tansel.

Davis, Helen Lee, prof. home econ. and head household art dept., Ore. Agr. Coll., Corvallis, Ore.
Math. computer, astronomical dept., Columbia Univ., 1899-1908; instr. home econ., Univ. Neb., 1910-2; asst. prof., 1912-7; assoc. prof. dom. art, Ore. Agr. Coll., 1917-8; prof., 1918–.—*b.* Moultonboro, N. H., Sept. 22, 1877; *d.* Eleazer A. and Mary A. (Rolfe) D.,; reared on farm. A.B., Vassar Coll., 1899; B.S., Columbia Univ., 1910. Phi Beta Kappa; Omicron Nu.

Davis, Herbert Perry, prof. dairy husb. and vice-dir. Exp. Sta., Univ. Ida., Moscow, Ida.
Asst. dairy husb., Univ. Ill., 1911; asst. exptl. dairy husb. and instr., Penn. State Coll., 1911-4; asst. dairy husb., U. S. Dept. Agr., 1914-7; dairy husb., and ed., 1917-9; present position, 1919–.—*b.* Montagu, Mich., Aug. 22, 1889; *s.* Smith Cornell and Meta Caroline (Perry) D.; reared in country; *m.* Esther Gertrude Greiner, July 20, 1915; *c.* Carolyn Lenne. B.S.A., Univ. Mo., 1911; M.S., Penn. State Coll., 1914. Alpha Zeta.

Davis, Irving Gilman, prof. econ., Conn. Agr. Coll., Storrs, Conn.
Instr., Brimfield Voc. Agr. Sch., Brimfield, Mass., 1912-4; asst. co. agt. leader, Conn. Agr. Coll., 1915-7; leader, 1917-8; acting dir. ext., 1918-9; prof. econ., 1920–.—*b.* Poland. Me., Apr. 25, 1885; *s.* John Gilman and Juniata (Dunn) D.; *m.* Alice Sawin, Aug. 18, 1914; *c.* Elizabeth Valentine, Irving G. Jr., Robt. Sawin. A.B., Bates Coll., 1906.

Davis, John F., co. agrl. agt., Cambridge, Md.
Farm help specialist, Off. Farm Manag., U. S. Dept. Agr., 1918-9; agrl. agt., Dorchester Co., Md., 1919–. (Farm manag., dairy husb.).—*b.* Meshoppen, Pa., Aug. 15, 1893; *s.* Clarke E. and Minnie F. (Farr) D.; reared on farm. B.S., Del. Coll., 1918. Kappa Alpha; Phi Kappa Phi.

Davis, John June, chg. Japanese beetle control, State Dept. Agr., Riverton, N. J.
Asst. to state ent. of Ill., 1907-11; with U. S. Dept. Agr., 1911-9; collaborator, 1919–. (Aphididae, Lachnostema and related genera).—*b.* Centralia, Ill., Oct. 9, 1885; *s.* John L. and Mary C. (Marsh) D.; reared in city; *m.* Pearle E. Taylor, Oct. 27, 1909. B.S., Univ. Ill., 1907. Sigma Xi; Alpha Tau Omega.

Davis, Joseph Lyndon, instr. voc. agr. high-sch., Walthill, Neb.

Instr. sci. and agr., high-sch., Laoag, Philippines, 1910-2; supt. farm sch., Batac, P. I., 1912-4; chg. dept. agr., Haskell Inst., Lawrence, Kans., 1916-8; present position, 1919–. 2d Lieut. Q. M. R. C., U. S. Army, 1918.—*b.* Belleville, Kans., Mar. 4, 1884; *s.* Winfield Scott and Ella (James) D.; reared on farm; *m.* Mabel Rodgers, June 3, 1911; *c.* Gerald Rodgers, Paul Ramon, Verne Ivan. B.S.A., Kans. State Agr. Coll., 1916.

Davis, Kary Cadmus, prof. agr., George Peabody Coll. for Teachers, Nashville, Tenn.

Princ. state high-sch., Austin, Minn., 1892-8; teach. sci., State Normal Sch., St. Cloud, 1900-1; prof. hort., W. Va. Univ., 1901-2; princ. Dunn Co. Sch. Agr., Menomonie, Wis., 1902-7; dean State Sch. Agr., Canton, N. Y., 1907-8; prof. agron. and princ. agrl. short courses, Rutgers Coll., 1908-13; present position, 1913–. Conductor summer training schs. for teachers in Minn. and Wis.; prof. agr., Univ. Va., summer sch., 1908-12; dir. N. J. State Summer Sch. for Teach., 1912. Lect. farmers inst., agrl. trains, etc. Fellow A. A. A. S. Mem. com. on practice teaching and Bur. Educ. com., Amer. Assoc. for Advancement of Agrl. Teaching. Pres. Tenn. State Dairy Assoc., 1917–. *Auth.:* Productive Farming, 1911, 4th ed. 1920; Productive Plant Husbandry, 1917; School and Home Gardening, 1918; Horticulture for Normals and High Schools, 1919. *Ed.,* Lippincott's Farm Manuals, Farm Life Text Book Series. —*b.* Decatur, Ill., Oct. 7, 1867; *s.* John and Martha Ann (Powell) D.; reared on farm; *m.* Fanny Elisabeth Waugh, Aug. 19, 1896; *c.* Douglas Powell, Louise. B.S., Kans. State Agr. Coll., 1891; M.S., 1894; Ph.D., Cornell Univ., 1900. Sigma Xi; Phi Beta Kappa; Phi Kappa Phi.

Davis, Leon M., asst. in marketing dairy products, Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Instr. dairy ind., Univ. Calif., 1909-12; asst. prof., 1912-6; present position, 1916–. Mem. Intern. Jury of Awards, Panama-Pacific Expos., 1915; pres. W. Dairy Instrs. Assoc.; sec.-treas. Calif. Creamery Operators Assoc. Regular contributor Pacific Dairy Review, 1911-3.—*b.* Topeka, Kans., Apr. 19, 1885; *s.* Thos. J. and Stella (Kidder) D.; reared on dairy farm; *m.* Hazel Estelle Bixby, June 15, 1911; *c.* Leon Bixby, Barbara Jean. B.S., Kans. State Agr. Coll., 1909. Beta Theta Pi; Alpha Zeta.

Davis, Leslie Vincent, superv. fertilizer invest., Univ. Ga., Athens, Ga.

Asst. soil survey, Univ. Mo., 1912-3; sci. soils, Bur. Soils, U. S. Dept. Agr., 1913-8; present position, 1919–.—*b.* Decatur, Ill., Dec. 6, 1887; *s.* I. J. and Jeannette L. (Pratt) D.; reared on farm; *m.* Mary L. Prather, Nov. 4, 1913. B.S.A., Univ. Mo., 1912. Alpha Zeta.

Davis, Richard Naaman, dairy ext. specialist, Univ. Ariz., Tucson, Ariz.

Manag. Salmon Creamery Co., Salmon, Ida., 1912-8; asst. agrl. ext., Univ. Calif., 1918 20; asst. prof. dairy husb., Univ. Ariz., 1920–.—*b.* Athens, Ala., Oct. 20, 1885; *s.* Richard Scoggins and Malindia Elizabeth (Barker) D.; reared on farm. B.S., Okla. A. & M. Coll., 1911.

Davis, Royall Oscar Eugene, chg. soil physics invests., Bur. Soils, U. S. Dept. Agr., Washington, D. C.

Instr. chem., Univ. N. C., 1905-8; assoc. prof., 1909; present position, 1910–. Chg. lab. for nitrogen fixation under Nitrate Div., War Dept., Arlington, Va. *Assoc. ed.,* Chemical Abstracts, 1917-9. (Nitrogen fixation and fertilizers).—*b.* Newberry, S. C., July 11, 1880; *s.* Wm. A. and Sarah I. (Payne) D.; reared on farm; *m.* Birdie Pritchard, July 26, 1905. Ph.B., Univ. N. C., 1901; Ph.D., 1903; Univ. Leipsic, 1904.

Davis, Samuel Sylvester, co. agrl. agt., Kentland, Ind.

b. Newport, Ind., Feb 28, 1891; *s.* J. N. and Rose (Manion) D.; reared on farm; *m.* Clara Davis, Jan. 27, 1917. B.S., Univ. Ill., 1915; M.S., 1917.

Davis, Tarring S., co. supt. schs., Altoona, Pa.

Mem. exec. com., Blair Co. Farm Bur. (Farming, country sch. educ.).—*b.* Blair Co., Pa., Jan. 16, 1863; *s.* Samuel and Elizabeth (Watson) D.; reared on

farm; *m.* Sarah E. McDowell, July 14, 1889; *c.* Grace, Margaret, Fred, Edna, Edgar, Mary, John.

Davis, Vernon Hayes, chief O. State Bur. Markets and Marketing, Columbus, O.
Asst. hort. and for., Ohio State Univ., 1901-5; asst. prof., 1905-9; asst. prof. hort., 1909-14; prof., 1914-7; present position, 1917–. Farm operator. *Auth.:* The Garden Book, 1915. (Marketing and commercial fruit-growing).—*b.* Byesville, O., Mar. 7, 1877; *s.* Jas. A. and Rachel (Gander) D.; reared on farm; *m.* Mary E. Haskell, Aug. 6, 1907; *c.* Emily Haskell, Rachel Katherine. B.S., Ohio State Univ., 1900; M.S.A., Cornell Univ., 1901. Sigma Xi; Kappa Sigma; Alpha Zeta.

Davis, Walter Scott, prof. hist. and social sci., Coll. Puget Sound, Tacoma, Wash.
Mem. Wash. State Senate, 1912–. Chm. Bd. Curators, Wash. State Hist. Soc., 1920. *Ed.* vol. II, Wash. State Hist. Soc. publications. (Rural sociol., agrl. econ.).—*b.* N. Salem, Ind., Dec. 29, 1866; *s.* Walter and Mariammne (Scott) D.; reared on farm. A.B., De Pauw Univ., 1889; A.M., Cornell Univ., 1892; fellow, Univ. Chicago, 1894. Delta Kappa Epsilon.

Davis, William Jefferson, teach. agr. and athletics, high-sch., Loreauville, La.
Pharmist mate, U. S. Navy, 2 yrs. Sec. Farmers Union, 1915-6.—*b.* Hamilton, Miss., July 2, 1895; *s.* Wm. R. and Loureni (Cantrell) D.; reared on farm; *m.* Magdalen Turner, June 17, 1918. Grad. Miss. Normal Coll.; grad. nurse.

Davis, William Leonard, co. agrl. agt., Ellensburg, Wash.
Instr. agr. and manual training, high-sch., Oroville, Wash., 1914-6. Ed. farm bur. page, Ellensburg Evening Record. (Live-stock).—*b.* Folsom, Calif., Oct. 20, 1884; *s.* Wm. Leander and Lucinda (Ford) D.; reared on farm; *m.* Mary Beck Anderson, Dec. 26, 1918. B.S., Wash. State Coll., 1914. Phi Delta Theta; Alpha Zeta.

Dawes, Henry Elsworth, supt. short-course and leader correspondence study, S. D. State Coll., Brookings, S. D.
Teach. reform sch., Pontiac, Ill., 1887-90; princ. Saratoga Sch., Lincoln, Neb., 1893-5; teach. of the blind, Nebraska City, 1895-7; supt. Neb. Sch. for Deaf, Omaha, 1897-1900. Developed "Fulton Yellow Dent" corn; farmers inst. speaker. Pres. S. D. Corn and Grain Growers Assoc., 7 yrs.; vice-pres. S. D. Anti-Saloon League. (Corn).—*b.* Ia., Sept. 17, 1860; *s.* Geo. S. and Adelia (Graves) D.; reared on farm; *m.* Mary Paddelford, 1887; 2d, Eva Robinson, 1919; *c.* Rachel E., Adelia R. B.S., Northwestern Normal Coll., 1886; M.A., 1890.

Dawley, Frank E., farmer, Dotshome Farms, Fayetteville, N. Y.
Dir. N. Y. State farmers insts., 1896-1908; trustee Cornell Univ., 1899-1904. Sec. N. Y. State Farmers League, 1881-91; sec. State Dairymens Assoc., 1896-1902; treas. N. Y. State Breeders Assoc., 1904-8; sec. Cheviot Sheep Soc., 1899-1918; pres. State Agr. Soc., 1899-1902. Master Syracuse Grange, 1891-2; Fayetteville Grange, 1905-15; Onondaga Co. Grange, 1914-6; lect. Onondaga Co. Grange, 1920–. Breeder and exporter of pure-bred Holstein-Friesian cattle, Cheviot and Karakul or Persian lamb fur sheep. Pres. Amer. Persian Lamb Fur Sheep Registry, 1916-20. Awarded Gold Medal on alfalfa hay at Panama Expos., 1916. First to make a success of raising Persian lamb fur in Amer.; erected first steel frame barn in Amer. in 1902; ground the first afalfa "bran" or meal in 1899 and proved its value as compared with wheat bran as food for milch cows. (Fur farming).—*b.* Elbridge, N. Y., Sept. 10, 1863; *s.* Wm. Walker and Charlotte A. (Lamson) D.; reared on farm; *m.* Carrie L. Barnes, June 16, 1891; *c.* Marion B., Laura A., Helen F., Catherine L., Lamson Eldred, Dorothy Jackson. Educ. Munro Collegiate Inst.

Dawson, Ralph Ward, asst. prof. ent., Univ. Neb., Lincoln, Neb.
Instr. ent., Univ. Neb., 1912-6; asst. prof., 1916–. (Coleoptera, especially genus Serica).—*b.* Lincoln, Neb., May 1, 1887; *s.* John O. and Alice C. D.; reared in city. B.S., Univ. Neb., 1912. Sigma Xi.

Dawson, Wilfred Parriott, farmer, Aurelia, Ia.

Mem. Ia. House of Rep., 1911-7. Dir. State Hort. Soc., 1910-20; dir. Corn Belt Meat Producers Assoc., 1908-20; chm. organization com., Ia. Farm Bur. Fed., 1919; pres. Ia. Veg. Growers Assoc., 1914-5. Del. to Farmers Nat. Congress, 1908. (Potato-growing).—*b.* Brodhead, Wis., Apr. 2, 1859; *s.* John J. and Mary Ann (Parriott) D.; reared on farm; *m.* Edith Paulline Lockwood, Dec. 31, 1885; *c.* Harry Blaine, Ada Joyce, John Jesse, Clay Wilfred, Emra Ward, Manley Roosevelt, Leland Stanford, Wendell Holmes, Edith Celestine.

Day, Clarence, A., co. agrl. agt., Machias, Me.
Potato farmer, 10 yrs.—*b.* Westfield, Me., Apr. 14, 1883; *s.* Wm. B. and Mercy (Small) D.; reared on farm; *m.* Susan G. Floyd, June 20, 1916; *c.* Dorothy.

Day, Emmons Davis, instr. agron. and farm manag., Schoharie State Sch., Cobleskill, N. Y.
Teach. agr., high-sch., Gowanda, N. Y., 2 yrs.—*b.* Ellington, N. Y., Dec. 1, 1890; *s.* F. S. and Ella (Davis) D.; reared on farm and in village; *m.* Alice McCartey, Oct. 3, 1918. B.S., Cornell Univ., 1917. Acacia.

Day, James Westbay, prof. voc. agr., Okla. A. & M. Coll., Stillwater, Okla.
Instr. agr., high-sch., Hannibal, Mo., 1914-5; assoc. prof. agr., State Normal, Springfield, Mo., summer 1916; instr. agron., Rutgers Coll., 1916-7; present position, 1919–. Served in U. S. Navy.—*b.* Carthage, Mo., Nov. 7, 1890; *s.* Henry Ward and Jennie Westbay (Sullivan) D.; reared on farm; *m.* Fanny B. Owen, Oct. 4, 1918. B.S.A., Univ. Mo., 1914; B.S. in Educ., 1917; A.M., 1916. Grad. student, Rutgers Coll. Sigma Phi Epsilon; Sigma Tau; Phi Kappa Phi.

Day, Ola, distr. agt., Md. State Coll., College Park, Md.
Teach. rural schs., 1909-11; Wagnerburg graded schs., 1911-4; Essex Co. Voc. Sch., Bloomfield, N. J., 1916-8; distr. agt. W. Md., 1918–.—*b.* Deer Lick, Pa., Jan. 5, 1890; *d.* Lazear C. and Low (Moninger) D.; reared on farm. Grad. Pratt Inst., 1916.

Deabler, Chaise Halle, co. agrl. agt., Kountz, Tex.
b. Xenia, Ill., Mar. 18, 1886; *s.* Geo. I. and Ida (McGregor) D.; reared in town; *m.* Etta E. Peterson, June 20, 1912; *c.* Mattie Elaine, Martha Lucille.

Deal, Ernest Linwood, co. agrl. agt., Tuscumbria, Ala.
First Lieut., U. S. Army, 1917-8; Capt. Inf., 1918-9; served in A. E. F., 5 mos.—*b.* Binion, Ala., Feb. 20, 1893; *s.* John H. and Georgia (Norris) D.; reared on farm. B.S., Ala. Poly. Inst., 1917.

Deal, T. M., co. agrl. agt., Fairfield, Ia.
In U. S. Army, 7 mos.—*b.* Decatur, Ill, Feb. 26, 1892; *s.* J. E. and Margaret M. (Maris) D.; reared on farm; *m.* Ida V. Briggaman, Apr. 19, 1919.

Dean, George Adam, prof. ent. and state ent., Kans. State Agr. Coll., Manhattan, Kans.
Ent. Kans. State Ent. Comn. Fellow Ent. Soc. of Amer.; fellow A. A. A. S. Traveled in Europe to investigate handling of flour. (Insects affecting stored grain and milk products).—*b.* Topeka, Kans., Apr. 19, 1873; *s.* Thos. Jackson and Harriet (Reese) D.; reared on farm; *m.* Minerva Blachly, Sept. 30, 1903; *c.* Elizabeth, Geo., Marjorie, Maurice, Dorothy. B.Sc., Kans. State Agr. Coll., 1895; M.Sc., 1905. Sigma Xi; Phi Kappa Phi; Gamma Sigma Delta.

Dean, Henry H., prof. dairy husb., Ont. Agr. Coll., Guelph, Ont.
Chg. dairy dept., Ont. Agr. Coll., 1891–. Farm operator. *Auth.:* Canadian Dairying, 1903, 4th ed., 1914.—*b.* Ont., Nov. 12, 1865; *s.* Walter and Theresa (Hahnel) D.; reared on farm; *m.* Almeda Ansley, July 25, 1894. B.S.A., Ont. Agr. Coll. and Toronto Univ., 1890.

Dean, Marion Lothrup, chief div. hort., Wash. State Dept. Agr., Olympia, Wash.
Asst. instr. hort., Mich. Agr. Coll., 8 yrs.; state hort., Mont., 8 yrs.; present position, 1916–.—*b.* Napoleon, Mich., June 27, 1863; *s.* Julius P. and Maria L. (Weeks) D.; reared on farm; *m.* Ida L. Smith, Jan. 28, 1872. Special student, Mich. Agr. Coll.

Dean, Mary Strobridge, home dem. agt., 31 Center St., Brockton, Mass.

Superv. household arts, Adams, Mass., 1911-7; home dem. agt. Plymouth Co., 1917–.—*b.* Taunton, Mass., Dec. 31, 1872; *d.* David and Dordona (Macomber) D.; reared on farm. Grad. State Normal Sch., Bridgewater, Mass., 1893; student Simmons Coll.

Dearing, Charles, asst. hort., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Asst. hort., Univ. Mo., 1908; instr., 1909-10; sci. asst., Bur. Plant Ind., 1910-7; asst. hort., 1918–.—*b.* Wichita, Kans., Mar. 25, 1888; *s.* Geo. M. and Marion Elvira D.; reared in town. B.S.A., Univ. Mo., 1909. Sigma Xi; Alpha Zeta.

De Baun, Roscoe William, specialist in veg. growing, Ext. Div., Rutgers Coll., New Brunswick, N. J.

Truck farmer. 1911-5. Mem. exec. com., N. J. State Hort. Soc.—*b.* Caldwell, N. J., Dec. 16, 1887; *s.* John Wm. and Abbie (Kimball) D.; reared on farm. B.Sc., Rutgers Coll., 1911. Chi Phi.

De Busk, Ezra Franklin, co. agrl. agt., Orlando, Fla.

Teach. sci. and agr., Washington high-sch., Tampa, Fla., 1914-7; special work on control of citrus fruit diseases and insect pests with Fla. State Plant Bd., summers 1915-6; citrus culture specialist, Univ. Fla., 1917-20.—*b.* Walkers' Ford, Tenn., Feb. 11, 1884; *s.* Jas. Knox and Helen (Shumate) D.; reared on farm; *m.* Eva M. Holt, June 28, 1911. B.S., Lincoln Memorial Univ., 1910.

Decker, Jessie-Lee Fairfax, home dem. agt., 1076 Dolores St., San Francisco, Calif.

Instr. household art, Univ. Calif., summers, 1917-8; interior decorator with S. & G. Gump Co., San Francisco, 1918-9; present position, 1919–. Traveled in Europe and Orient.—*b.* Magnolia, Ark., July 24 1886; *d.* Thos. O. and Lydia M. (Davis) D.; reared in town. Student, Univ. Calif.

Decker, Roy M., co. agrl. agt., Stroudsburg, Pa.

Teach. rural and graded schs., 5 yrs.; agt. Monroe Co., 1916–.—*b.* Hublersburg, Pa., Aug. 20, 1888; *s.* Wm. and Emma C. (Beck) D.; reared on farm. B.S., Penn. State Coll., 1916.

Deering, Arthur Lowell, co. agt. leader, Univ. Me., Orono, Me.

Formerly co. agrl. agt., Augusta, Me. —*b.* Denmark, Me., Jan. 13, 1888; *s.* Myron A. and Mary Smith (Lowell) D.; reared on farm; *m.* Freda Lowe Bowman, June 30, 1915; *c.* Mary Lowell, Marjorie Bowman. B.S., Univ. Me., 1912. Phi Kappa Sigma; Alpha Zeta.

De Lashmutt, Floyd Silas, co. agrl. agt., Athens, O.

Ext. serv., Ohio State Univ., 1916–. —*b.* Columbus, O., Aug. 18, 1889; *s.* Van B. and Anna (Simmons) D.; reared on farm. B. S. A., Ohio State Univ., 1916.

De Lesseps, Hamilton, co. agrl. agt., Plaquemine, La.

Sugar planter and manufacturer, St. Landry Parish, La., 7 yrs. Asst. food adminis. for Parish of Iberville.—*b.* La., June 30, 1883; *s.* Auguste and Augusta (Story) De L.; reared on sugar plantation; *m.* Mary Beaufort Williams, Sept. 9, 1914.

De Loach, Robert John Henderson, dir. Bur. Agrl. Research and Econ., Armour & Co., 10154 Longwood Drive, Chicago, Ill.

Bot., Ga. Exp. Sta., 1906-8; prof. cotton ind., Univ. Ga., 1908-13; dir. Ga. Exp. Sta., 1913-6; present position, 1916–. Fellow A. A. A. S. *Auth.:* Rambles with John Burroughs, 1911; Agriculture for the Schools of Georgia, 1914. *Ed.* agrl. dept., Atlanta Constitution, 1913-6.—*b.* Statesboro, Ga., Dec. 21, 1873; *s.* Z. T. and Jane (Williams) D.; reared in country and village; *m.* Bessie Holland, Apr. 2, 1900; *c.* Edward, Louise, Evelyn, Julia Helen. A.B., Univ. Ga., 1898; A.M., 1906. Sigma Chi.

De Long, Alton Harrison, co. agrl. agt., Syracuse, Neb.

Teach. agr., high-sch., Wahoo, Neb., 1914-6; Watertown, S .D., 1916-7.—*b.* Jessup, Neb., May 20, 1888; *s.* Bernard A. and Hannah (Griffin) D.; reared on

farm; *m.* Jessiebelle Hamilton, June 14, 1916; *c.* Dale Alton, Doris Joan. B.S.A., Univ. Neb., 1914. Phi Delta Chi; Phi Delta Kappa.

Delwiche, Edmond Joseph, prof. agron. and supt. Branch Exp. Stas., Univ. Wis., Ashland, Wis.
Supt. branch stas., Univ. Wis., 1906-9; asst. prof. agron. and supt. stas., 1909-12; assoc. prof., 1913-9; prof., 1920.—*b.* Orbais, Belgium, Mar. 25, 1874 (naturalized 1895); *s.* Desire J. and Marie J. (Dethy) D.; reared on farm; *m.* Alice J. Collin, 1899; *c.* Mary A., Anthony J., Edmond D., Joseph J., Francis R., Richard O. B.S.A., Univ. Wis., 1906; M.S., 1909. Alpha Zeta.

Deming, William C., agrl. ed., Cheyenne, Wyo.
Ed. Daily Tribune, Warren, O., 1894-1901; Wyo. Daily Tribune, 1901–; Wyo. Stockman-Farmer, 1913–. Mem. Wyo. Legislature, 1902-3. Receiver U. S. Land Off., Cheyenne, 1907-13. Traveled in Europe and Cuba.—*b.* Mt. Olivet, Ky., Dec. 6, 1869; *s.* O. S. and Leona (Rigg) D.; reared in small town. A.B., Allegheny Coll., 1890; M.A., 1893. Delta Tau Delta.

Demuth, George Sidney, apicultural asst., Bur. Ent., U. S. Dept. Agr., Washington, D. C.
Beekeeper in Ind., 1885-1911; apiary insp., Ind., 1909-11.—*b.* Peru, Ind., Mar. 2, 1871; *s.* Elias and Susannah (Miller) D.; reared in country; *m.* Belva E. Myers, July 22, 1903; *c.* Donald L.

Dennis, Lindley H., chief Agrl. and Rural Schs. Div., Bur. Voc. Educ, State Dept. Public Instr., Harrisburg, Pa.
b. Dover, N. H, Dec. 12, 1880; *s.* Wm. B. and Helen (Goodwin) D.; reared in town and on farm; *m.* Geraldine G. Conner, 1904; *c.* Lindley Henry. B.S., Penn. State Coll., 1912. Alpha Zeta.

Dennis, Samuel James, refrigeration tech., Bur Markets, U. S. Dept. Agr., Washington, D C.
Instr. mech. lab., Leland Stanford Univ., 1905-6.—*b.* Lynn, Mass., Apr. 22, 1873; *s.* Wm. Brown and Leah Helen (Goodwin) D.; reared in city; *m.* Irma Mary Walker, Sept 22, 1909; *c.* Catherine Elizabeth. M.E., Cornell Univ., 1906.

Dent, Gratz, co. agrl agt., Savannah, Ga.
Farmer in Va., 2 yrs., Tex. 1 yr., Ga., 13 yrs. Pres. Farmers Soc. of Glynn Co. Traveled in Europe.—*b.* Savannah, Ga., Sept. 24, 1881; *s.* Jas. Troup and Miriam (Cohen) D.; reared on farm. B.S., Sheffield Sci. Sch., Yale Univ., 1902; student short course, Univ Ga., 1918. Delta Psi.

Dent, Samuel Preston, co. agrl agt., Harrisburg, Ark.
Agt. tick eradication, Bur. An. Ind., U. S. Dept. Agr., May-Sept., 1909; fellow and asst. agron., Miss. Exp. Sta., 1909-10; supt. Madison Co. agrl. high-sch., Camden, Miss., 1910-1; supt. Calhoun Co. agrl. high-sch., Derma, Miss., 1911-4; farm operator, 1914-6; agt. Painsett Co., Ark., 1916–. Dir. and organizer Calhoun Co. Coop. Shipping Assoc., 1914–; Poinsett Co. Live-Stock Assoc., 1918; Poinsett Co. Duroc Breeders Assoc.—*b.* Russum, Miss., Sept. 24, 1889; *s.* J. H. and Annie M. (Gilbert) D.; reared on farm; *m.* Maude Elizabeth Hollis, June 12, 1912; *c.* Paul Allen, Joseph Thos. B.S., Miss. A. & M. Coll., 1908.

Denton, Minna Caroline, asst. chief, Off. Home Econ., U. S. Dept. Agr., Washington, D. C.
Teach. public schs., Ft. Smith, Ark., 1891-8; instr. biol. and sanitation, Milwaukee-Downer Coll, 1901-6; prof. physiol. and bact., Lewis Inst., Chicago, 1906-14; instr. home econ., Univ. Chicago, summer 1913; prof. home econ., Ohio State Univ., 1914-6; present position, 1916–. Chm. research com., Amer. Home Econ. Assoc., 1919–. *Ed.* home econ. dept., School Science and Mathematics, 1914-5.—*b* Baxter Springs, Kans., Jan. 16, 1883; *d.* Lucius Gary and Caroline (Hubbard) D.; reared on farm and in city. B.S., Univ. Mich., 1900; M.S., 1901; Ph.D., Univ. Chicago, 1918.

De Pue, Harold Foster, co. agrl. agt., Sidney, Mont.
Agrl. agt., Preston Co., W. Va., 1917; Wood Co., W. Va., 1918; instr. agr., high-sch. and co. club leader, Sidney,

Mont., 1919-20; co. agt., Richland Co., 1920–. In U. S. Army, July-Dec., 1918. —*b.* Spencer, W. Va., Nov. 24, 1896; *s.* Henry and Ella J. (Foster) D.; reared on farm. B.S.A., W. Va. Univ., 1919. Phi Sigma Kappa; Theta Nu Epsilon; Alpha Epsilon Pi.

Derby, Samuel Henry, fruit-grower, Woodside, Del.

Master Del. State Grange, 4 yrs.; trustee Del. Coll.; chm. Agrl. Com. of Bd. Trustees.—*b.* Constable, N. Y., June 12, 1855; *s.* Henry Wm. and Maria Wortley (Bell) D.; reared in town; *m.* Emma Estelle Morse, Mar. 30, 1881; *c.* Roxy Maria (Mrs. A. F. Walker), Wm. Vaughan.

Derr, Henry Benjamin, co. agrl. agt., Fairfax, Va.

Instr. soils and crops, Univ. Neb., 1905; prof. biol., Danville, Ill., high-sch. and Summer Normal, 1906; Off. Cereal Invest., U. S. Dept. Agr., 7 yrs. —*b.* Mt. Carmel, Pa., May 22, 1867; *m.* Isabelle Lee, May 22, 1890; *c.* Howard L., Grace Mae, Norman Stuart. B.S.A., Univ. Ill., 1905.

Derr, Homer, state dir. voc. educ. and state superv. agrl. educ., Univ. Nev., Reno, Nev.

Instr. sci. and agr., State Normal Sch., Mt. Pleasant, Mich., 1904-8; head sci. dept., high-sch., Butte, Mont., 1908-10; princ. co. high-sch., Big Timber, Mont., 1910-1; head dept. sci. and agr., Los Angeles high-sch. system, 1911-8; prof. agrl. educ. and state superv., Univ. Ariz., 1918-9; present position, 1919–. Sergeant, Spanish-Amer. War.—*b.* LaFayette, Ind., Feb. 4, 1879; *s.* John J. and Lizzie A. (Vernon) D.; reared on farm; *m.* Elizabeth Asbury, 1900; *c.* Lucile E. B.S.A., Kans. State Agr. Coll., 1900; M.S., 1907.

Derrick, Bruce Berger, co. agrl. agt., Bel Air, Md.

Ext. serv., Penn. State Coll., June-Aug. 1913; with Bur. Soils, U. S. Dept. Agr., 1913-5; manag. Piney Creek Farms, Northeast, Md., 1915-8; present position, 1918–. Sec. Sheep Growers of Harford Co.; sec. Adv. Council of Harford Co. (Agron.).—*b.* Unityville, Pa., Sept. 30, 1886; *s.* Daniel and Matilda (Berger) D.; reared on farm; *m.* Margaret E. Mosteller, Dec. 24, 1913; *c.* Wm. Sheldon, Daniel Jr. B.S., Penn. State Coll., 1913.

Desilets, Alphonse, dir. agrl. short-courses and superv. Cercles de Fermières (home-makers clubs), 35 Cartier Ave., Quebec, Que.

Chief instr. for exptl. plots, Oka Agrl. Inst., 1911-4; prof. theoretical and practical agr., Que. Military Hospital, 1917-8; dir. Cercles de Fermières, 1915–; dir. agrl. and household sci. short-courses, 1916–; chief Farm Labor Serv., 1918. Farm operator. Dir. Beekeepers Soc. Que. *Auth.:* Heures poetiques, 1910; Mon Pays, mes Amours, 1913. *Ed.*, La Bonne Fermière and dir. Bulletin de la Ferme.—*b.* Victoriaville, Que., Apr. 5, 1888; *s.* Theo. and Virginia (Hamelin) D.; *m.* Rolande Savard, June 1916; *c.* Yolande. B.L., Montreal Univ.; B.S.A., Oka Agrl. Inst.

Detlefsen, John A., prof. genetics, Univ. Ill., Urbana, Ill.

Austin teaching fellow, Harvard Univ., 1908-12; asst. prof. genetics, Univ. Ill., 1912-8; assoc. prof., 1918-9; prof., 1919–. Traveled in Europe.—*b.* Norwich, Conn., Sept. 12, 1883; *s.* Geo. Detlef and Augusta (Nadolny) D.; reared in town (in flor. and hort. business); *m.* Ruth Sarah Atwell, June 18, 1914; *c.* John Detlef. A.B., Dartmouth Coll., 1908; A.M., Harvard Univ., 1910; D.Sc., 1912. Phi Beta Kappa; Sigma Xi; Phi Gamma Delta.

De Turk, Ernest E., assoc. in soil fert., Univ. Ill., Urbana, Ill.

General farmer and distr. sch. teach., 1906-9; asst. agrl. chem., Penn. State Coll., 1913-4; instr., 1914-6; asst. prof., 1916-8.—*b.* Martinsville, Ind., Sept. 24, 1887; *s.* Eugene and Viola (Wetherby) D.; reared on farm; *m.* Nellie Metz, Aug. 26, 1914; *c.* Wm. Ernest. B.S.A., Purdue Univ., 1913; M.S., Penn. State Coll., 1916; Ph.D., Univ. Ill., 1919. Sigma Xi.

Deuel, Ray Eugene, co. agrl. agt., 271 Glenwood Ave., Syracuse, N. Y.

Instr. an. husb., Cornell Univ., 1911-3; agt. Orleans Co., Vt., 1914-6; ext. lect., Vt., winter 1914; agt. Rockingham Co., N. H., 1916-9; farm bur. manag., Onondaga Co. Farm and Home

Bur. Assoc., 1919–.—*b.* Chittenango, N. Y., May 20, 1886; *s.* W. E. and Francis (Bettinger) D.; reared in country; *m.* Diana M. Constable, Dec. 24, 1912; *c.* Ray E. Jr., Madeleine, Frank M., Walter E. B.S.A., Cornell Univ., 1911. Alpha Zeta.

Deveneau, George Adams, superv. agrl. training, Fed. Bd. Voc. Educ., 814 Consumers Bldg., Chicago, Ill.

With Univ. Chicago Press, 1912-4; librarian, Coll. Agr., Univ. Ill., 1915-8; with U. S. Boys' Working Reserve, Washington, 1918-9; present position, 1919–. Chm. agrl. sect., Amer. Library Assoc., 1917-8.—*b.* Chicago, Ill., Jan. 27, 1890; *s.* Nelson W. and Lydia A. (Savoie) D.; reared in town. Ph.B., Univ. Chicago, 1912; student library sch., Univ. Ill., 1914-5.

Dewey, Lyster Hoxie, bot. in chg. fiber invests., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Instr. bot., Mich. Agr. Coll., 1888-90; asst. bot., U. S. Dept. Agr., 1890-1900; present position, 1900–. Del. from U. S. to Intern. Fiber Congress, Java, 1911. Traveled in Mexico, W. Indies, Bahamas, Java, Japan. *Auth.:* Hemp, 1913.—*b.* Cambridge, Mich., Mar. 14, 1865; *s.* Francis Asbury and Harriet (Smith) D.; reared on farm; *m.* Etta Conkling, Aug. 22, 1889; *c.* Grace Marguerite, Mary Genevieve. A.B., Mich. Agr. Coll., 1888.

De Witt, Emma Ethel, home dem. agt., Valley City, N. D.

Teach. home econ., high-schs., 1912-6. —*b.* Wickliffe, Ind.; *d.* Wm. and Pheby (Eckerty) D.; reared on farm. A.B., Univ. Ill., 1911. Alpha Omicron Pi.

Dexter, John, instr. agr., high-sch., Poplar, Mont.

Chem. Great Western Sugar Co., Denver, 1916-7; princ., instr. agr. and co. club leader, Dixon, Mont., 1917-8; instr. agr. and city club leader, Great Falls, 1918-9; present position, 1919–. Sec.-treas. N. E. Mont. Livestock Assoc., 1919-20. Served as Sergeant, U. S. Army, 9 mos.—*b.* N. Y. City, July 27, 1892; *s.* Fred and Hilda (Douma) D.; reared in country. B.S.A., W. Va. Univ., 1916. Sigma Phi Epsilon.

Dice, James Reufren, prof. dairying, N. D. Agr. Coll., Agricultural College, N.D.

Farm manag., Pontiac, Mich., 1908-9; instr. dairy ind., Univ. Me., 1909-10; head dairy and an. husb. dept., N. Y. State Sch. Agr., Morrisville, 1910-9; present position, 1920–.—*b.* Enon Valley, Pa., July 6, 1885; *s.* John S. and Margaret (McQuigg) D.; reared on farm; *m.* Marion L. Welch, Apr. 9, 1912; *c.* Jas. H. B.S., Mich. Agr. Coll., 1909; A.M., Univ. Mo., 1919.

Dickens, Albert, prof. hort., Kans. State Agr. Coll., Manhattan, Kans.

Foreman, Munger Orchards, Eureka, Kans., 1895; instr. Ellinwood high-sch., 1897-8; asst. hort., Kans. State Agr. Coll., 1899-1901; acting prof., 1901-2; prof., 1902–. Trustee, Kans. Hort. Soc., 1908–.—*b.* Anoka, Minn., Oct. 24, 1867; *s.* Wm. and Sarah (Ridge) D.; reared in town and on farm; *m.* Bertha Kimball, Jan. 1, 1898; *c.* Elizabeth, Wm., Richard K., John B. B.S., Kans. State Agr. Coll., 1893; M.S., 1901. Alpha Zeta; Phi Kappa Phi.

Dickenson, Robert William, co. agrl. agt., Virginia, Ill.

Asst. soil physics, Ill. Exp. Sta., 1912-7. 1st Lieut., U. S. Army, 1917-8.—*b.* Paris, Ill., Jan. 21, 1887; *s.* Wm. Wiley and Elizabeth Kaler (Rigg) D.; reared on farm; *m.* Gladys Blanche Wilson, June 9, 1917; *c.* Dorothy Ann. B.S., Univ. Ill., 1912.

Dickey, Grover, supt. farm of John L. Roper Lumber Co., Jacksonville, N. C.; 1893-Jan. 26, 1919. See Rus 1918.

Dickson, James Geere, asst. prof. plant path., U. S. Off. Cereal Invests., Univ. Wis., Madison, Wis.

Grad. asst. soils, Wash. State Coll., 1915; grad. asst. bot., Univ. Wis., 1916-7; path., U. S. Dept. Agr., 1918–; asst. prof. plant path., Univ. Wis., 1919–. (Cereal path., agron., bot.).—*b.* Yakima, Wash., Feb. 7, 1891; *s.* N. J. and Alethe R. (Conrad) D.; reared on farm; *m.* Leah A. Dodds, June 24, 1915; *c.* Jas. G. Jr., Allan N., Nevella L. B.S., Wash. State Coll., 1915; M.S., Univ. Wis., 1917; Ph.D., 1920. Sigma Xi; Gamma Alpha; Phi Sigma.

Diehm, Oscar A., teach. voc. agr., high-sch., Bridgeville, Del.

Served in Signal Corps, U. S. Army. —*b.* Avilla, Ind., Feb. 8, 1895; *s.* John M. and A. Mary (Gienger) D.; reared on farm. B.S., Mich. Agr. Coll., 1919. Alpha Zeta.

Dietrich, William, co. agrl. agt., Preston, Minn.

Farm manag., Hixton, Wis., 1901-2; soil expert, Bur. Soils, U. S. Dept. Agr., 1903-4; instr. to asst. prof. swine husb., Univ. Ill., 1904-12; asst. to asst. chief, Ill. Exp. Sta., 1904-12; asst. prof. an. and dairy husb., Univ. Minn., Crookston, 1913-8; agt. Fillmore Co., 1918–. *Auth.:* Swine, 1912; Live-stock on the Farm, 1917.—*b.* Black River Falls, Wis., Mar. 24, 1871; *s.* Henry and Susan (Witting) D.; reared on farm; *m.* Mathilda Klein, Feb. 27, 1901; *c.* Norma L., Manford K. B.S.A., Univ. Wis., 1899; M.S., Univ. Ill., 1906. Sigma Xi.

Dille, Alvin, specialist in agrl. educ., States Relations Serv., U. S. Dept. Agr., Washington, D. C.

Supt. schs., Albany, O., 1903-7; princ. high-sch. and dir. club work, Port Arthur, Tex., 1907-10; supt. schs. and dir. boys' club work, Kerrville, Tex., 1910-4; supt. schs. and dir. agr., Bishop, Tex., 1914-8; instr. rural life summer sch., Tex. A. & M. Coll., 1916-7; present position, 1918–. Vice-pres. Tex. State Farmers Inst.; state chm., Nat. Educ. Assoc. for Tex., 1918.—*b.* O., Oct. 31, 1876; *s.* Lewis C. and Louisa (Vernon) D.; reared on farm; *m.* Bertha Wickersham, Dec. 29, 1902; *c.* Lewis Alonzo, Thelma Maxine, Robt. Carl, Dorothy May, Alvin W. A.B., Ohio State Univ., 1896.

Dillenback, Frank Harold, co. agrl. agt., Troy, Kans.

Princ. high-sch., Roxbury, Kans., 1916-7; co. agrl. agt., Guthrie, Okla., 1917-8; present position, 1919–. 2d Lieut. Inf., U. S. Army, 1918-9.—*b.* Hastings, Neb., Jan. 8, 1890; *s.* J. I. and Charlotte (Hitchcox) D.; reared on farm; *m.* Kathryn Dappen, Jan. 15, 1918 (d. Sept. 16, 1918). B.S.A., Kans. State Agr. Coll., 1916.

Dillon, Charles James, manag. ed., The Capper Publications, Topeka, Kans.

Prof. ind. journalism, Kans. State Agr. Coll., 1910-3. With Kansas City Star, 12 yrs.; now manag. ed., The Missouri Valley Farmer, The Farmers Mail & Breeze, The Missouri Ruralist, The Oklahoma Farmer, The Nebraska Farm Journal. Mem. bd. of governors, Intern. Farm Congress. Traveled in Orient, South Seas, Mex. *Auth.:* Journalism for High Schools, 1918.—*b.* Brooklyn, N. Y., Jan. 9, 1869; *s.* Joseph and Margaret (Halligan) D.; reared in city and on farm; *m.* Florence Voris Pierson, Dec. 20, 1901; *c.* John Ralph, Millicent.

Dimock, Julian Anthony, fruit-grower and farmer, E. Corinth, Vt.

Auth.: Outdoor Photography, 1909; The New Business of Farming, 1918.—*b.* Elizabeth, N. J., Aug. 9, 1873; *s.* Anthony W. and Helen (Weston) D.; reared in city; *m.* Annette F. Chase, 1912.

Dimock, William Wallace, prof. and head dept. vet. sci., Univ. Ky., Lexington, Ky.

Asst. an. husb., Agr. Exp. Sta., Cuba, 1906-8; chief vet., Nat. Bd. Health, Cuba, 1908-9; prof. path and bact., Div. Vet. Med., Ia. State Coll., 1909-19; present position, 1919–.—*b.* Tolland, Conn., Feb. 20, 1880; *s.* Henry Eugene and Ellen M. (Clark) D.; reared on farm; *m.* Ruth Attwill Mudge, Nov. 27, 1909; *c.* Phoebe, Betty, Shubael Eugene, Gladys Eusebia. B.A., Conn. Agr. Coll., 1901; D.V.M., Cornell Univ., 1905; D.V.M., Univ. Havana, Cuba, 1908. Phi Kappa Phi; Gamma Alpha.

Dinsmore, Wayne, sec. Percheron Soc. of Amer., 2148 W. 110th Place, Chicago, Ill.

From asst. to assoc. prof. an. husb., Ia. State Coll., 1903-10. Sec.-treas. Nat. Soc. of Record Assocs. *Auth.:* (with A. H. Sanders) A History of the Percheron Horse.—*b.* Pacific Junction, Ia., Dec. 22, 1879; *s.* Geo. W. P. and Emma (Sherman) D.; reared on farm; *m.* Mary Kinnear Gray, Nov. 1, 1905; *c.* John Bell, Robt. B.S.A., Ia. State Coll., 1904; M.S.A., 1915. Phi Kappa Phi.

Dinwiddie, Martha Dabney, distr. home dem. agt., Box 144, University, Va.

b. Greenwood, Va., Feb. 4, 1895; *d.* Wm. and Mattie (Dabney) D.; reared in town and on farm. B.S., Teachers Coll., Columbia Univ., 1917. Phi Mu.

Dinwoodie, John Thomas Ebenezer, livestock ed. The Dakota Farmer, Aberdeen, S. D.

Herdsman, 1909-10; with Minn. Exp. Sta., 1913-6; ext. div., S. D. State Coll., 1916-9; present position, 1919–.—*b.* Bottineau, N. D., Mar. 2, 1888; *s.* Wm. and Mary (Kitchen) D.; reared on farm; *m.* Florenz Barthlemess, Sept. 4, 1914; *c.* Florenz Mary. V.M.D., Univ. Penn., 1913. Alpha Psi.

Dix, Everett L., prof. social econ. and dir. Red Cross Training courses, Berea Coll., Berea, Ky.

Teach. rural schs., 1902-6; princ. Germantown Acad., 1906-8; teach. Morehead Normal, 1908-9; princ. Boone high-sch., 1909-14; princ. Mayslick high-sch., 1914-7; present position, 1917–. Manag. Ky. Illiteracy Comn., campaigns of 1918 and 1919. *Ed.*, rural newspaper; Mountaineer Mag.; Kentuck Colonel Mag. (Rural social serv.). —*b.* Mt. Carmel, Ky., Sept. 24, 1882; *s.* Alexander and Cora Lee (Hannah) D.; reared on farm; *m.* Lottie Stewart, June 30, 1909; *c.* Alice Lee, Francis Errett. Student Nat. Normal Univ., Transylvania Coll., George Peabody Coll. for Teachers.

Dixon, Frank Washburn, fruit-grower and nurseryman, Holton, Kans.

Trustee Kans. State Hort. Soc., 4 yrs., treas., 4 yrs. (Strawberry and apple-growing).—*b.* O., Aug. 31, 1869; *s.* W. F. and Rebecca (Washburn) D.; reared on farm; *m.* Angenette Young, Sept. 5, 1895; *c.* Leon Y., Julia, F. Wilmer.

Dixon, George Warren, farmer, Watertown, S. D.

Inst. and short-course speaker, 5 yrs.; farm labor specialist, U. S. Employment Serv., 1½ yrs.; asst. to Comnr. Immigration, 1919–. Master S. D. State Grange, 1914–; pres. S. D. Potato Growers Assoc. (Potato and farm labor specialist).—*b.* Dodge Co., Wis., Aug. 18, 1869; *s.* Wm. and Rhoda S. (Rich) D.; reared on farm; *m.* Rosa Jane Weber, Oct. 31, 1916.

Doane, Duane Howard, chg. Rural Serv., Miss. Valley Trust Co., St. Louis, Mo.

With Off. Farm Manag. and States Relations Serv., U. S. Dept., Agr., 1906-16; prof. farm manag., Univ. Mo., 1910-6; state leader co. agts., 1912-6. Pres. Nat. Agr. State Leaders Assoc., 1914-6; pres. Inter-State Congress, St. Joseph, Mo., 1914; mem. exec. bd., Fed. Mo. Commercial Clubs, 1915-6; chm. bd. dirs., Mo. Farm Manag. Assoc., 1909-16. *Auth.:* Sheep Feeding and Farm Management, 1912. Contributing ed., Missouri Farmer, 1911-6.—*b.* Mexico, N. Y., July 30, 1883; *s.* D. G. and Nettie (Powell) D.; reared in country and town; *m.* Eureth R. Grant, Nov. 7, 1911; *c.* Chas. Earl. B.S.A., Univ. Mo., 1908; M.S.A., 1909. Alpha Zeta.

Dodd, David Rollin, agron. specialist, W. Va. Univ., Morgantown, W. Va.

Agrl. agt., Clay Co., W. Va., 1914-7; instr. agr., Clay Co. High-Sch., 1914-7; agrl. agt., Mason Co., W. Va., 1917-9; present position, 1919–. Del. Intern. Convention Y. M. C. A., Washington, 1907.—*b.* Martinsburg, W. Va., July 11, 1889; *s.* Samuel L. and Sallie (Ropp) D.; reared on farm; *m.* Grace Dillon, May 2, 1917; *c.* Edwin Dillon. B.S.A., W. Va. Univ., 1914.

Dodge, Hiram A., instr. an. husb., N. Y. State Sch. Agr., Canton, N. Y.

Asst. an. nutr., Penn. State Coll., 1909; prof. an. husb. and dairying, De Hirsch Agr. Sch., Woodbine, N. J., 1910-2; instr. an. husb., N. Y. State Sch. Agr., Canton, N. Y., 1912-5; prof. an. husb. and dairying, Theo. N. Vail Agr. Sch., Lyndon Center, Vt., 1915-7; head dept. dairying and an. husb., N. Y. State Sch. Agr., Farmingdale, L. I., 1917.—*b.* Morrisville, Vt., Aug. 30, 1885; *s.* Alfred and Angie M. (Clement) D.; reared on farm; *m.* Emma Jane Seipt, Aug. 21, 1913. B.S., Univ. Vt., 1909. Alpha Zeta.

Dodge, Richard Elwood, farmer, Washington, Conn.

Asst. geol., Harvard Univ., 1891-4; instr., 1894-5; instr. geol., Teachers Coll., Columbia Univ., 1895-6; assoc. prof., 1896-7; prof. geography, 1897-1916; emeritus prof., 1916–. Farmer, 1906–. Asst. co. agt. leader, Conn. Agr. Coll., 1918-9; co. agt. leader, 1919–.

Auth.: Reader in Physical Geography, 1900; Dodge's Geographies, 1908; (with Clara B. Kirchway) Teaching of Elementary School Geography, 1915; (with Isaiah Bowman) Brunhes' Human Geography, 1918.—*b.* Wenham, Mass., Mar. 30, 1868; *s.* Robt. Francis and Sarah Elizabeth (Wood) D.; reared on farm; *m.* Stella Pomeroy Dalton, Aug. 19, 1896; *c.* Stanley Dalton, Margaret, Philip Elwood. A.B., Harvard Univ., 1890; A.M., 1894. Sigma Xi; Delta Upsilon.

Dodson, William Rufus, pres. W. R. Dodson Seed and Livestock Co., Inc., Baton Rouge, La.

Asst. biol., Univ. Mo., 1890-4; student asst., Harvard Bot. Lab., 1893-4; prof. bot., La. State Univ., 1894-1902; asst. dir. Exp. Sta., 1902-5; dir., 1905-19; dean Coll. Agr., 1909-19; dir. ext., 1914-9. Mem. State Bd. Agr., State Museum Bd. Farm operator, 1914–. On staff U. S. Food Adminis., 1918-9; mem. Nat. Agrl. Adv. Bd. to U. S. Dept. Agr. and U. S. Food Adminis., 1918-9.—*b.* Belton, Tex., July 17, 1867; *s.* Jesse Allen and Mary Elizabeth (Scott) D.; reared on farm; *m.* Minnie Pettengill, Jan. 29, 1896; *c.* Rogers, Alma, Wm. Rufus Jr. B.S., Univ. Mo., 1890; A.B., Harvard Univ., 1894. Beta Theta Pi.

Doerner, Armin Meredith, asst. prof. lands. gard. and flor., Wash. State Coll., Pullman, Wash.

Instr., Kans. State Agr. Coll., 1916-20; present position, 1920–. Private Artillery, U. S. Army.—*b.* Denver, Colo., Nov. 20, 1893; *s.* Alfred and Nettie (Skinner) D.; reared in city and on farm; *m.* Dorothy Elizabeth Harrison, July 19, 1917; *c.* Wm. Allen. B.S., Ore. Agr. Coll., 1916. Kappa Sigma; Alpha Zeta.

Doerschuk, J. J., co. agrl. agt., Sparta, Ill.

Instr. agr., high-sch., Elk River, Royalton, Long Prairie, Minn., 1911-7; agt. Randolph Co., Ill., 1917–. Sec.-treas. John Randolph Nat. Farm Loan Assoc.; chm. Food Production and Conservation Com., Randolph Co., for State Council of Defense and mem. State Com.—*b.* Shanesville, O., Apr. 23, 1884; *s.* John and Mary (Zahner) D.; reared in town and on farm; *m.* Edna Laura Forman, Aug. 13, 1913; *c.* Herbert Cappel, Janet Lucile. B.S.A., Univ. Wis., 1911.

Doherty, Thomas Keville, comnr. for Canada of the Intern. Inst. of Agr., Dept. Agr., Ottawa, Ont.

Private sec. to Dominion Minister Agr., 1896-1909; present position, 1910–. Founded and edited Bull. of Foreign Agrl. Intelligence, 1910-6; monthly communication to Agrl. Gazette of Canada, 1916–. Del. to Intern. Inst. Agr., Rome, Italy, 1911, 1913; Intern. Agr. Congress, Madrid, 1911.—*b.* Orford, Que., May 11, 1858; *s.* Wm. M. and Alice (Keville) D.; reared on farm; *m.* Ada Richard, 1893. B.A., Montreal Coll., 1880; B.C.L., Univ. of Bishops Coll., Lennoxville, Que., 1884.

Dole, James Drummond, pres. and manag. Hawaiian Pineapple Co., Ltd., Box 449, Honolulu, Hawaii.

Chm. Hawaiian Territorial Food Comn.; formerly mem. Hawaiian Territorial Bd. Comnrs. of Agr.; trustee and ex-pres. Hawaiian Pineapple Growers Assoc.—*b.* Boston, Mass., Sept. 27, 1877; *s.* Chas. F. and Frances (Drummond) D.; reared in city; *m.* Belle Dickey, Nov. 22, 1906; *c.* Richard, Jas., Charley, Elizabeth, Barbara. A.B., Harvard Univ., 1899.

Donald, John Sweet, farmer and stockman, 211 Prospect Ave., Madison, Wis.

Mem. State Assembly, 1903-7; State Senate, 1909-11; Wis. Sec. of State, 1913-7. Pres. State Country Life Assoc., 1910-2; pres. Wis. State Live Stock Breeders Assoc., 1913-4. Served in Y. M. C. A. in France, 1918-9.—*b.* Mt. Horeb, Wis., Jan. 12, 1869; *s.* John S. and Ellen E. (Sweet) D.; reared on farm; *m.* Vona D. De Crow, 1898; *c.* Delma E. Grad. Northwestern Business Coll., 1889; Valparaiso Univ., 1894; Chicago Coll. Dental Surg., 1897. Delta Sigma Delta; Acacia.

Donart, Clarence Romanis, co. agrl. agt., Chamber of Commerce, Oklahoma City, Okla.

Banker, 1899-1912; hardware merchant, 1912-4; co. agrl. agt., 1915–.—*b.* Willshire, O., Mar. 6, 1877; *s.* Chas. and Sarah A. (Heath) D.; reared on

farm; *m.* Martha Louise Swormstedt, Oct. 23, 1903; *c.* Roma Leola, Martha Louise. B.S., Okla. A. & M. Coll., 1899.

Doneghue, Ray Claude, co. agrl. agt., Macomb, Ill.

Asst. soil survey, Ill. Exp. Sta., 1906; asst. agron. and soil survey, Mo. Exp. Sta., 1906-8; asst. prof. agron., N. D. Agr. Coll. and asst. agron. Exp. Sta., 1908-11; prof. agron., 1911-4; agron., N. D. Exp. Sta., 1914-9; farm adv., McDonough Co., Ill., 1919–. Pres. N. D. Poly. Soc., 1917-8; pres. N. D. Acad. Sci., 1918; sec. Farm Managers Assoc., 1911-9.—*b.* Columbia, O., Feb. 19, 1883; *s.* E. J. and Nettie V. (Cole) D.; reared on farm; *m.* Mayble Miller, June 4, 1908; *c.* Dorothy May, Merritt Eugene, Donald Miller. B.S.A., Ohio State Univ., 1906; M.S.A., Univ. Mo., 1908. Alpha Zeta; Phi Kappa Phi.

Doney, Mary Ella, home dem. agt., Oxford, Miss.

Rural teach., Tenn., 1903-10; Ga., 1910-2; city supt. schs., Low Moor, Va., 1912-4; instr. home econ., high-sch., Copperhill, Tenn., 1914-6; chg. garden and orchard, Ocoee Exp. Farm, Ducktown, Tenn., 1917-8; home dem. agt. Carmon Co., Tenn., 1918-9; present position, 1919–.—*b.* Nashville, Tenn., Feb. 6, 1887; *d.* Albert Josiah and Amy M. (Bell) D.; reared in town. Grad. Terrill Coll., 1903; student Univ. Tenn., Univ. Chicago, Geo. Peabody Coll.

Donnan, Ralph LeRoy, formerly state co. sec., Ind. Y. M. C. A., 131 Johnson Ave., Indianapolis, Ind.

With Y. M. C. A., Vladivostock, Siberia, 1919–. (Rural Y. M. C. A. work). —*b.* Agosta, O., Feb. 2, 1884; *s.* John W. and Annie (Grizell) D.; reared in town; *m.* Mary A. Lance, June 17, 1912; *c.* Anna Jane. A.B., Ohio Northern Univ., 1910. Sigma Pi.

Donnan, Ray Fisk, co. agrl. agt., Nicholas Bldg., Toledo, O.

Ed., Lucas Co. Farm News. (Veg.-gard.).—*b.* Wauseon, O., May 4, 1890; *s.* John W. and Annie (Grizell) D.; *m.* Julia Smith, Aug. 28, 1919. B.A., Ohio Wesleyan Univ., 1912; B.S.A., Ohio State Univ., 1914. Alpha Sigma Phi; Delta Sigma Rho.

Dooley, Leslie Hopewell, co. agrl. agt., Morristown, Tenn.

b. Knox Co., Tenn., Jan. 23, 1893; *s.* Thos. S. and Dora V. (Goodykoontz) D.; reared on farm and in city; *m.* Frances Palmer, Jan. 18, 1917; *c.* Thos. Stanhope. B.S.A., Univ. Tenn., 1914. Alpha Tau Omega.

Doran, Edwin Beale, prof. agrl. engin., La. State Univ., Baton Rouge, La.

General farming, Ill., 2 yrs., Miss., 3 yrs.; with Intern. Harvester Co., 5 yrs. and made trips to France and Argentina; present position, 1911–. Pres. S. Sect., Amer. Soc. Agrl. Engin., 1919.—*b.* Loudon, Tenn., Oct. 11, 1885; *s.* Edwin Wortham and Florence Emily (Beale) D.; reared on farm and in city; *m.* Cornelia Anne Denham, Aug. 19, 1912; *c.* Edwin B. Jr. B.S., Univ. Ill., 1906.

Dorchester, Charles Sylvester, asst. prof. farm crops, Ia. State Coll., Ames, Ia.

Asst. agrl. ext., Ia. State Coll., 1913-4; asst. prof., 1914-6; asst. prof. farm crops, 1916–.—*b.* State Center, Ia., Sept. 8, 1889; *s.* Lowing A. and May (Miller) D.; reared on farm; *m.* Ferne Marie Kennedy, June 16, 1914; *c.* Lois Amy. B.S., Ia. State Coll., 1913. Phi Kappa Phi; Delta Sigma Rho; Gamma Sigma Delta.

Dorner, Herman Bernard, prof. and chief flor., Univ. Ill., Urbana, Ill.

Asst. bot., Purdue Exp. Sta., 1901-2; practical flor., 1902-6; asst. bot., Wabash Coll., 1906-8; asst. flor., Univ. Ill., 1908-11; asst. prof. and asst. chief flor., 1911-8; prof. and chief, 1918–. *Auth.*: Window Gardening, 1908.—*b.* LaFayette, Ind., Apr. 10, 1878; *s.* Frederick and Margaret S. (Eihl) D.; reared in city; *m.* Anna V. Simon, June 29, 1915; *c.* Mary Ann. B.S., Purdue Univ., 1900; M.S., 1901.

Dorris, Lillian B., home dem. agt., Water Valley, Miss.

b. Winona, Miss., Dec. 9, 1896; *d.* Bennett and Blanche D.; reared on farm.

Dorsey, Henry, assoc. prof. agron. and assoc. agron. Exp. Sta., Conn. Agr. Coll., Storrs, Conn.

Formerly asst. prof. agron., W. Va. Univ. (Pasture).—*b.* Mt. Lookout, W. Va., May 14, 1882; *s.* Adam C. and Ruth (Groves) D.; reared on farm; *m.* Beulah Davis, 1919. B.S.A., W. Va. Univ., 1914; M.S.A., 1916.. Phi Sigma Kappa.

Dorsey, Llewellyn Morse, asst. prof. an. ind., Univ. Me., Orono, Me.

Herdsman, Mass. and Me., advanced registry superv., Me., 1916-7; instr. an. ind., Univ. Me., 1917-8; asst. prof., 1918–. (Dairying).—*b.* Ellsworth, Me., Oct. 13, 1892; *s.* Patrick S. and Elwilda (Marshall) D.; reared in town; *m.* Blanche C. Foster, Oct. 2, 1916. B.S., Univ. Me., 1916. Alpha Zeta; Sigma Alpha Epsilon.

Dorsey, Maxwell Jay, assoc. prof. hort. in chg. sect. of fruit-breeding, Univ. Minn., University Farm, St. Paul, Minn.

Instr. hort., Univ. Me., 1906-7; asst. hort., N. Y. Agr. Exp. Sta., Geneva, 1907-10; asst. plant-breeding, Cornell Univ., 1910-1; present position, 1911–. —*b.* Dresden, O.. May 3, 1880; *s.* Samuel and Martha Jane (Magruder) D.; reared on farm; *m.* Jean Muir, Dec. 9, 1914; *c.* John Muir. B.S., Mich. Agr. Coll., 1906; M.S.A., Cornell Univ., 1910; Ph.D., 1913. Sigma Xi; Alpha Zeta; Gamma Alpha.

Doryland, Charles James Thomas, soil bact., N. D. Exp. Sta., Fargo, N. D.

Asst. soils, Kans. State Agr. Coll., 1909-10; asst. soils and crops, short-course, Rutgers Coll., 1910-1; asst. prof. chg. bact., N. D. Agr. Coll., 1911-4; present position, 1914–; in chg. soil bact. invest., N. D. Exp. Sta.—*b.* Junction City, Kans., June 15, 1880; *s.* John and Sarah Evelyn (Spiegel) D.; reared on farm; *m.* Helen Louise Whitaker, Dec. 21, 1912; *c.* Thos. B.S., Kans. State Agr. Coll., 1908; M.S., 1910; Sessell fellow, Yale Univ., 1918-9. Alpha Zeta; Phi Kappa Phi.

Doten, Samuel Bradford, dir. Nev. Exp. Sta., Reno, Nev.

Instr. hist. and math., Univ. Nev., 1898-1900; instr. math. and ent., 1900-2; asst. prof., 1902-3; asst. prof. ent., meteorology, math., 1903-5; prof. ent., 1906-13; ent. Exp. Sta., 1906-13; dir., 1913–.—*b.* Virginia City, Nev., Dec. 14, 1875; *s.* Alfred and Mary (Stoddard) D.; reared in country town; *m.* Laura Katherine Schweiss, 1915. B.S., Univ. Nev., 1898; M.A., 1913. Phi Kappa Phi.

Dougherty, Newton Charles, farmer and stockman, Greeley, Colo.

Pres. Colo. Farmers Congress. Rep. Ill. at Paris Expos.; traveled in Europe, 4 yrs.—*b.* Chester Co., Pa., Jan. 10, 1847; *s.* Philip and Harriet (Peary) D.; reared on farm; *m.* Annie E. Edwards, 1872; *c.* Mabel E., Horace Raymond, Ralph Leland. A.B., Del. Coll., 1868; Ph.D., Knox Coll., 1876; LL.D., Univ. Ill., 1892; Wesleyan, 1896.

Douglass, Ellwood, co. agrl. agt., Freehold, N. J.

Farmer, N. Y., 1913, N. J., 1914; agt. Atlantic Co., N. J., 1914-7; agt. Monmouth Co., 1917–. (Fruit-growing, potato culture).—*b.* Cold Spring, N. J., Nov. 14, 1889; *s.* Shamgar and Mary R. (Schellenger) D.; reared on farm; *m.* Edna R. Weeks, Oct. 25, 1915; *c.* Cora Louise, Mildred Adele. Student Rutgers Coll. and Cornell Univ.

Douglass, Thomas R., prof. farm crops and soils ext., Ia. State Coll., Ames, Ia.

Asst. prof., Univ. Mo., 1911-4; present position, 1914–.—*b.* Shelbina, Mo., Sept. 8, 1888; *s.* Jas. G. and Mollie (Mitchell) D.; reared on farm; *m.* Alleta Batterton, June 29, 1914; *c.* Elizabeth Batterton. B.S.A., Univ. Mo., 1911. Sigma Xi; Alpha Zeta.

Dowdle, Lois Pauline, asst. state home dem. agt., Univ. Ga., Athens, Ga.

Present position, 1915–. State chm. home econ. for Fed. Food Adminis.; state chm. home econ., food production and conservation, Woman's Com., Ga. Div. Council Nat. Defense.—*b.* Rome, Ga., Aug. 1, 1889; *d.* Lovic Pierce and Ella Paralee (Watkins) D.; reared in town. B.S., Univ. Ga., 1920; student Cornell Univ.

Dowdy, Guy, co. agrl. agt., Princeton, W. Va.

Teach. Marshall Coll. Normal Sch., 1914-5.—*b.* Union, W. Va., Nov. 3, 1889; *s.* J. H. and Edna (Mitchell) D.; reared on farm; *m.* Olive Tallman, Sept. 15, 1916. B.S., W. Va. Univ., 1917.

Dowell, Austin Allyn, prof. an. husb., Univ. Alberta, Edmonton, Alta.

Instr. an. husb., Ia. State Coll., 1915-7; present position, 1917–.—*b.* Gaynor City, Mo., Sept. 27, 1891; *s.* John B. and Nettie (Allyn) D.; reared on farm; *m.* Isabel Dyer, Sept. 6, 1916; *c.* Hannah Kellogg. B.S., Ia. State Coll., 1915. Delta Tau Delta; Alpha Zeta; Phi Kappa Phi.

Downey, Mary Elizabeth, library sec. and organizer of Utah, State Dept. Public Instr., Salt Lake City, Utah.

Librarian, public library, Ottumwa, Ia., 1902-8; library organizer of O., 1908-12; present position, 1914–; dir. Chautauqua, N. Y., Sch. for Librarians, 1906–.—*b.* Sarahsville, O.; *d.* Hiram Jas. and Martha (Ball) D.; reared in town. A.B., Denison Univ., 1899; Library Sci., Univ. Chicago, 1901.

Downing, Fred P., invest. in package standardization, Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Food chem., Wis. Dairy and Food Comn., 1909-11; chief insp., Weights and Measures Dept., Madison, Wis., 1911-7; present position, 1917–. (Fruit and veg. packages).—*b.* Watertown, Wis., July 14, 1877; *s.* H. A. and Mary E. (Price) D.; reared in town; *m.* Ethel Lucile Gleason, 1909; *c.* Norman P., Helen E. B.A., Univ. Wis., 1909. Alpha Chi Sigma.

Downing, James Elkanah, field sec. Amer. Berkshire Assoc., Springfield, Ill.

Formerly state pig club leader, Univ. Ga.—*b.* Attica, Ind., June 21, 1868; *s.* Harry Harrison and Hattie (Acenith) D.; reared in town.

Dox, Arthur Wayland, research chem., Parke, Davis & Co., Detroit, Mich.

Chem., Dairy Div., U. S. Dept. Agr., 1905-10; chief in chem., Ia. Exp. Sta., 1910-20; present position, 1920–. Sec. Biol. Div., Amer. Chem. Soc. Capt., Sanitary Corps, U. S. Army, 1917-9; Major, Quartermaster Reserve, 1919–. (Agrl. and biol. chem.).—*b.* Corning, N. Y., Sept. 19, 1882; *s.* Rutger and Lydia M. (Pettit) D.; reared in city; *m.* Berenice Carol Fisher, 1910; *c.* Charmion Elinore. B.S., Univ. Penn., 1904; A.M., Columbia Univ., 1905; Ph.D., Yale Univ., 1909. Sigma Xi; Phi Kappa Phi; Gamma Sigma Delta; Phi Lambda Upsilon.

Drain, Brooks Daniel, asst. prof. pom., Mass. Agr. Coll., Amherst, Mass.

Instr., Ohio State Univ., 1917-8; present position, 1919–. Manag. Warrior Mt. Orchard Co., 1917. Served in Field Artillery, U. S. Army.—*b.* Washington Co., O., Dec. 9, 1891; *s.* Daniel C. and Mina (Arnold) D.; reared on farm. B.Sc., Ohio State Univ., 1917.

Drake, Benjamin Magruder, co. agrl. agt., Turin, Ga.

Prof. English, Centenary Coll., La., 1890-2; prof. Latin and Greek, Emory and Henry Coll., Va., 1895; instr. Greek and English, Vanderbilt Univ., 1899-1904; prof. English, Epworth Univ., 1904-5; farming, Clayton Co., Ga., 1905-10; Coweta Co., Ga., 1910-9. —*b.* Greenville, Miss., Jan. 16, 1868; *s.* W. W. and Alice (Gorton) D.; reared on farm; *m.* Mary Iula Hunnicutt, Aug. 28, 1895; *c.* Alice G., Jas. B., Willmarth W., Emily P., Frank M. A.B., Centenary Coll., 1886; A.M., Vanderbilt Univ., 1895; Ph.D., 1899.

Drew, George Albert, fruit-grower and farm manag., Greenwich, Conn.

Foreman in hort., Mass. Agr. Coll., 1897-1903; instr. hort., 1903; manag. Conyers Farm, 1903–; owner Drew Fruit Farms, Westford, Mass.; pres. and treas. Drew Orchards Inc., Sutton, Mass. Vice-pres. Conn. Pom. Soc., 1912-3.—*b.* Westford, Mass., Mar. 18, 1876; *s.* Geo. and Sarah J. (Ober) D.; reared on farm; *m.* Rachel Brooks, May 21, 1907; *c.* Wm. B., Benj. W., Geo. A. Jr. B.S., Mass. Agr. Coll., 1897. Phi Sigma Kappa.

Drewiecke, Leo August, teach. agr., Glendive, Mont.

b. Glenmore, Wis., Mar. 26, 1897; *s.* Valentine and Constance (Winetske) M.; reared on farm.

Drinkard, Alfred Washington Jr., dir. Va. Exp. Sta., Blacksburg, Va.

Record clerk in hort., Va. Exp. Sta., 1906-8; asst. hort., 1908-12; assoc. hort., 1912-6; dir., 1916–. Vice-pres. Va. State Hort. Soc., 1917.—*b.* Appomattox, Va., Jan. 10, 1883; *s.* Chas. M.

and Mary Anne (Martin) D.; reared on farm. B.S., Va. Poly. Inst., 1906; M.S., 1908; Ph.D., Cornell Univ., 1913. Sigma Xi.

Driver, Charles Everett, breeder Holstein cattle, Crescent, Mo.

Field man, Union Dairy Co., St. Louis, Mo., 1914; asst. gen. manag., 1915-6; built city milk plant, Sedalia, Mo., 1919. Sec.-treas. Mo. Holstein Breeders Assoc. Dairy ed., Missouri Ruralist.—*b.* Bower's Mill, Mo., Nov. 3, 1889; *s.* W. I. and Lodena (Eads) D.; reared on farm; *m.* Elizabeth Lewis, July 27, 1916; *c.* Chas. E. Jr. B.S.A., Univ. Mo., 1913. Kappa Sigma.

Drobish, Harry Everett, co. agrl. agt., Oroville, Calif.

Fruit-grower, S. Calif., 6 yrs.; co. agrl. agt., 1917–. Served in Coast Artillery, 6 wks.—*b.* Decatur, Ill., May 27, 1893; *s.* Geo. F. and Emma E. (Etherton) D.; reared in town. B.S., Univ. Calif., 1917. Alpha Zeta; Alpha Kappa Lambda.

Droge, William F., co. agrl. agt., Rocky Ford, Colo.

Asst. bact., Kans. State Agr. Coll., 1910-1; deputy state dairy comnr., Kans., 1912-3; creamery manag., Swift & Co., 1914; farmer, 1915-6; asst. prof. an. husb., Colo. Agr. Coll., 1917; co. agt., 1918–.—*b.* Seneca, Kans., May 6, 1881; *s.* Conrad and Sophie (Poppe) D.; reared on farm; *m.* Helen M. Myers, June 19, 1913; *c.* Elizabeth Mears, Frederick Wm. B.S., Kans. State Agr. Coll., 1901.

Drummond, Wilbert I., chm. Bd. Governors and manag. dir., Intern. Farm Congress, Enid, Okla.

General farmer, Kans., Okla., Tex.; chg. invest. and research work of Intern. Dry-Farming Congress, 1914–. *Ed.*, The Agricultural Review. (Dry-farming).—*b.* Sigourney, Ia., Oct. 10, 1874; *s.* Isaac S. and Rebecca L. (White) D.; reared on farm and in city; *m.* Mary E. Peckham, Sept. 22, 1897; *c.* Donald I., Bessie E., Maribel J., Wilbert N.

Dryden, James, prof. poultry husb., Ore. Agr. Coll., Corvallis, Ore.

Poultry husb., Utah Agr. Coll., 1895-1905, 1906-7; present position, 1908–. *Auth.:* Poultry Breeding and Management, 1916.—*b.* Galt, Ont., Feb. 27, 1863 (naturalized 1892); *s.* Jas. and Mary (Swan) D.; reared on farm; *m.* Alice Keim, 1892; *c.* Robt., Winfield, Horace.

Dryden, Victor Vincil, co. agrl. agt., Mahnomen, Minn.

Instr. agr., high-sch., Mahnomen, 1913-8; co. agt., 1918–.—*b.* Sampsel, Mo., Aug. 21, 1888; *s.* John R. and Margaret (Horeth) D.; reared on farm; *m.* Esther Jane Hammerli, July 25, 1916; *c.* Esther Maxine. B.S., Kans. State Agr. Coll., 1913.

DuBois, Charles Orrin, dir. State Sch. Agr. and Dom. Sci., Delhi, N. Y.

Princ. Central Square high-sch., 1895-1902; Tully, N. Y., 1902-9; asst. dir. Alfred State Sch. Agr., 1909-17; present position, 1917–. (Soils and crops).—*b.* Wetona, Pa., Oct. 28, 1867; *s.* Broaded and Betsy Ann (Rice) D.; reared on farm; *m.* Gertrude De Voe, Dec. 27, 1894; 2d, Grace Brown, Jan., 1897; *c.* Hascall, Marian, Donald. Ph.B., Ill. Wesleyan, 1909; B.S., Alfred Univ., 1910; grad. work, Cornell Univ., 1913.

Duck, Russell William, prof. an. husb., Coll. Agr., Syracuse Univ., Syracuse, N. Y.

Instr. an. husb., Penn. State Coll., 1915. Capt. U. S. Marine Corps, 1917-9. (Swine).—*b.* Larned, Kans., Sept. 19, 1888; *s.* William and Edna (Riley) D.; reared in country; *m.* Erie Marie Hyatt, Mar. 25, 1919. B.S.A., Univ. Mo., 1915; M.S.A., Syracuse Univ., 1917. Alpha Zeta.

Dudgeon, Matthew S., sec. Wis. Library Comn., Madison, Wis.

Dir. Wis., Library Sch., 1909–; special instr. political sci., Univ. Wis. Prosecuting attorney, Dane Co., Wis., 1899-1903; mem. Wis. Legislature, 1903-4. Served in Spanish Amer. War; rep. Amer. Library Assoc. in U. S. and France, 1917-9. (Coop. marketing, distribution of books to rural communities).—*b.* Madison, Wis., June 18, 1871; *s.* Richard and Dilla (Ball) D.; reared on farm and in village; *m.* Mabel Cunningham, July 11, 1900; *c.* Lucile, Edith. A.B., A.M., Baker Univ., Baldwin, Kans.; LL.B., Univ. Wis. Delta Tau Delta; Phi Delta Phi.

Duggar, John Frederic, prof. agr. and dir. Exp. Sta., Ala. Poly. Inst., Auburn, Ala.

Asst. prof. agr., Tex. A. & M. Coll., Bryan, 1887-9; ed. Southern Live-Stock Journal, 1890; asst. dir., U. S. Exp. Sta., Clemson Coll., 1890-2; ed. dept. field crops, Exp. Sta. Record, U. S. Dept. Agr., 1893-5; prof. agr., Ala. Poly. Inst., 1896–; dir. Exp. Sta., 1903–; dir. ext. serv., 1914–. *Auth.:* Agriculture for Southern Schools; Southern Field Crops.—*b.* Faunsdale, Ala., Aug. 24, 1868; *s.* Reuben Henry and Margaret Louisa (Minge) D.; *m.* Frances Ambrose Camp, June 17, 1891. B.S., Miss. A. & M. Coll., 1887; M.S., 1888.

Dulaney, Grace, home dem. agt., Springfield, Mo.

Teach. home econ., high-sch., 1915-8; emergency home dem. agt., W. Va., summers, 1917-8; home dem. agt., Greene Co., Mo., 1919–.—*b.* Slater, Mo.; *d.* W. P. and Ella (Stewart) D.; reared in town. B.S., Univ. Wis., 1915. Alpha Xi Delta.

Duley, Frank Leslie, assoc. prof. soils, Univ. Mo., Columbia, Mo.

Research asst. soils, Univ. Mo., 1915-7; instr., 1917-9; asst. prof., 1919; assoc. prof., 1920–.—*b.* Mo., Dec. 21, 1888; *s.* D. S. and Martha (Morris) D.; reared on farm; *m.* Lucile Douglass, June 1, 1918. B.S.A., Univ. Mo., 1914; A.M., 1915. Alpha Zeta.

Duncan, James Roy, ext. specialist, Mo. State Fruit Exp. Sta., Mountain Grove, Mo.

Fruit farmer, Wash., 1907-8; fruit farmer and nurseryman, Peru, Neb., 1909-13; sec. Neb. State Hort. Soc. and ed. Nebraska Horticulture, 1913-7; asst. fruit crop specialist, U. S. Bur. Crop Estimates, 1917-20; present position, 1920–.—*b.* Dunbar, Neb., Apr. 29, 1885; *s.* Robt. B. and Sadie (McKay) D.; reared on farm; *m.* Nellie Mitchell, Sept. 7, 1912; *c.* Helen Josephine, Robt. Butler, Jas. Thurston. Student Univ. Neb., 3 yrs.

Duncan, Luther Noble, supt. jr. and home ext., Ala. Poly. Inst., Auburn, Ala.

Teach. agr., Ala. agrl. high-schs., 1900-6; asst. agr., Ala. Poly. Inst., 1906-9; present position, 1909–. Mem. State Bd. Agr. *Assoc. ed.,* Farm Life Readers, books 4 and 5.—*b.* Russellville, Ala., Oct. 14, 1875; *s.* Thos. A. and Margarett (Hargett) D.; reared on farm; *m.* Annil Elizabeth Smith, Feb. 26, 1902; *c.* Mary Elizabeth, Margaret Susan, Robt. Smith. B.S., Ala. Poly. Inst., 1900; M.S., 1907. Kappa Sigma; Phi Kappa Phi.

Dunks, Fred Sheldon, co. agrl. agt., Howell, Mich.

Asst. chem., Mich. Dairy and Food Dept.—*b.* Union City, Mich., Feb. 1, 1880; *s.* J. S. and Mary Hudson (Bennett) D.; reared on farm; *m.* Jean Gunn Gow, Oct. 12, 1911; *c.* Sheldon B., Hudson G. B.S., Mich. Agr. Coll., 1905.

Dunlap, Frederick, prof. for., Univ. Mo., Columbia, Mo.

Mem. U. S. For. Serv., 1904-13; in For. Products Lab., 1903-13; lect. for., Univ. Wis., 1910-3; present position, 1913–. Fellow Royal Soc. Arts. Studied German and Swiss forests, 1903. *Assoc. ed.* Forest Quarterly, 1902–.—*b.* Ross Co., O., June 17, 1881; *s.* Philip Marion and Mary E. (Lutz) D.; reared on farm; *m.* Florence Hallowell, Oct. 20, 1906; *c.* Lawrence Hallowell, Marion, Richard Morris. Studied Ohio State Univ., 1899-1901; Cornell Univ., 1901-4; Washington Univ., 1907-9; Univ. Wis., 1909-10.

Dunlap, Henry M., farmer and fruit-grower, Savoy, Ill.

State Senator, Ill., 1892-1912, 1916-20. Pres. Ill. Orchard Co. Del. to Ill. Constitutional Convention, 1920. In chg. hort. exhibits at Paris Expos. for U. S. Dept. Agr., 1900. Sec. Ill. State Hort. Soc., 1893-7, pres., 1897-1902.—*b.* Cook Co., Ill., Nov. 14, 1853; *s.* Matthias L. and Emeline (Pierce) D.; reared on farm; *m.* Nora C. Burt, July 5, 1877; B.S., Univ. Ill., 1894.

Dunlap, Renick William, farmer, Kingston, O.

State senator, O.; dairy and food comnr.; sec. State Bd. Agr. (Live-stock).—*b.* Pickaway Co., O., Oct. 21, 1872; *s.* Nelson J. and Elizabeth J. (Bell) D.; reared on farm; *m.* Maxine

Ethel Cummins, June 9, 1897; *c.* Nelson H., Mary Maxine. B.S.A., Ohio State Univ., 1895. Kappa Sigma.

Dunlap, Robert Bruce, co. agrl. agt., Altoona, Pa.
Agt. Blair Co., Pa., 1912–.—*b.* Walnut Bottom, Pa., Aug. 22, 1890; *s.* W. S. and Margaret (McCullough) D.; reared on farm; *m.* Mildred Ride, Oct. 7, 1915. B.S., Penn. State Coll., 1912. Alpha Gamma Rho; Phi Kappa Phi.

Dunlop, George, co. agrl. agt., Orange City, Ia.
Asst. prof. farm crops and soils, Ia. State Coll., 4 yrs.—*b.* Jefferson, Ia., Apr. 6, 1888; *s.* Wm. and Anna (Moseman) D.; reared on farm; *m.* Florence Mitchell, Oct. 22, 1914; *c.* Margaret Jean, Robt. Mitchell, Donald Dean. B.S.A., Ia. State Coll., 1912.

Dunn, John J., sec. State Bd. Agr., Providence, R. I.
General farmer, Westerly, R. I. Sec. State Conservation Comn.—*b.* Westerly, R. I., Apr. 6, 1884; *s.* John and Maria (Dewyer) D.; reared on farm; *m.* Helena I. Sweeney, Sept. 14, 1910; *c.* John M., Mary, Helena I., Katherine.

DuPuis, John Gordon, physician and surg. and farmer, Lemon City, Fla.
Grower citrus fruits, Lemon City, 16 yrs.; owner White Belt Dairy Farms. Chm. Stock Growers Assoc. of S. E. Fla.; dir. Agrl. Assoc. of S. E. Fla.; dir. Dade Co. Agrl. Fair Assoc. Chm. board of trustees, Lemon City public sch., 1905-12; Dade Co. Agrl. Sch., 1912–.—*b.* Fla., Sept. 22, 1875; *s.* John Samuel and Mary Sidney (Lohman) D.; reared on farm; *m.* Katherine Elizabeth Beyer, Jan. 18, 1899; *c.* John G. Jr. M.D., Univ. Ky., 1898.

Durand, Edward Dana, prof. statistics and agrl. econ., Univ. Minn., St. Paul, Minn.
Legislative librarian, N. Y. State Library, 1895-7; asst. prof. adminis. and finance, Leland Stanford Univ., 1898-9; sec. U. S. Ind. Comn., 1900-2; instr. econ., Harvard Univ., 1902; special expert agt., U. S. Census Off., 1902; special examiner, Bur. of Corporations, 1903-7; deputy comnr. of corporations, 1907-9; dir. U. S. Census, 1909-13; present position, 1913–; Meat Div., U. S. Food Adminis., 1917–. *Auth.:* Finances of New York City, 1898; The Trust Problem, 1915.—*b.* Romeo, Mich., Oct. 18, 1871; *s.* Cyrus Y. and Celia (Day) D.; *m.* Mary Elizabeth Bennett, July 15, 1903; *c.* Dana Bennett, Bennett, Mary C., Eric. A.B., Oberlin Coll., 1893; Ph.D., Cornell Univ., 1896.

Durst, Charles Elmer, co. agrl. agt., Anna, Ill.
Asst., assoc. and asst. prof. olericulture, Univ. Ill., 1909-18; co. agt. Union Co., 1918–. Chm. Food Production and Conservation Com. for Union Co., State Council Defense. Asst. sec., Amer. Soc. for Hort. Sci. (Olericulture, plant-breeding).—*b.* Knox City, Mo., May 3, 1884; *s.* H. and Carrie (Layman) D.; reared on farm; *m.* Bertie Good, Sept. 4, 1912; *c.* Chas. Wm., Ruth Josephine. B.S. Univ. Ill., 1909; M.S., 1912.

Dusham, Edward Henry, prof. ent., Penn. State Coll., State College, Pa.
Asst. zool. and physiol., Ia. State Coll., 1910-2; instr. zool. and ent., Penn. State Coll., 1913-5; asst. prof., 1915-6; asst. biol., Cornell Univ., 1916-7; instr. nat. hist., 1917-8; present position, 1918–.—*b.* Amesbury, Mass., Sept. 1, 1887; *s.* Peter and Catherine (Murphy) D.; reared in town; *m.* Marie E. Atkinson, 1912. B.A., Dartmouth Coll., 1910; M.S., Penn. State Coll., 1915. Sigma Xi; Sigma Phi Epsilon.

Dustman, Robert Barclay, asst. prof. soils, Ohio State Univ., Columbus, O.
Instr. agr. and chem., high-sch., Shinnston, W. Va., 1915-6; ext. agron., W. Va. Univ., 1916-9; present position, 1919–. *Joint auth.:* Timely Soil Topics, 1919.—*b.* near Youngstown, O., Jan. 9, 1892; *s.* Geo. S. and Christina (Barclay) D.; reared on farm; *m.* Gay Zinn, July 27, 1917; *c.* Robt. B. Jr. B.S.A., Ohio State Univ., 1915.

Dutcher, Raymond Adams, assoc. prof. agrl. biochem. and in chg. sect. an. nutr., Univ. Minn., University Farm, St. Paul, Minn.
Instr. and asst. chem., S. D. State Coll., 1907-10; asst. chem., Univ. Mo., 1910-2; asst. chem., Univ. Ill., 1912-3; instr. and asst. prof. agrl. chem., Ore. Agr. Coll., 1913-7; present position,

1917–. (An. nutr.).—*b.* Raymond, S. D., Mar. 28, 1886; *s.* Paul and Susie M. (Adams) D.; reared in small town; *m.* Mary M. Wright, Sept. 14, 1912; *c.* Adams Wright. B.S., S. D. State Coll., 1907; M.S., 1910; A.M., Univ. Mo., 1912. Sigma Xi; Gamma Sigma Delta; Alpha Chi Sigma.

Dutton, George Clayton, supt. Richmond Coop. Creamery, Richmond, Vt.

Instr. cheese-making, Cornell Univ. winter-course, 1909-19; cheese instr., N. Y. State Dept. Agr., 8½ yrs.; dairy manufacturing specialist, U. S. Dept. Agr. (Dairy manufacturing).—*b.* De Ruyter, N. Y., Jan. 25, 1875; *s.* Harmon C. and Dora (Burgess) D.; reared in country; *m.* Ethel P. Reynolds, Oct. 4, 1899; *c.* Audley R., Harmon C., Geo. C. Jr.

Duval, Laurel, superv. grain insp., 27 William St., New York, N. Y.

Grain merchant, 1907; sci. asst. grain standardization, U. S. Dept. Agr., 1908-13 and in chg. U. S. Grain Standardization Lab., Baltimore; chg. grain standardization, Ministerio de Agricultura, Buenos Aires, Argentina, 1914-5; grain superv., U. S. Dept. Agr., in chg. distr. office, Philadelphia, 1916-7; New York, 1918-9; grain superv. for Atlantic Seaboard distrs., 1919–.—*b.* Wapakoneta, O., Mar. 31, 1887; *s.* August and Amanda (Myers) D.; reared on farm; *m.* Mary Fombelle, Dec. 26, 1908; *c.* Querida. Student Univ. Wooster, 3 yrs.

Duvel, Joseph William Tell, crop tech. in chg. grain grading div., U. S. Food Adminis. Grain Corporation, 42 Broadway, New York, N. Y.

Asst. bot., Ohio Exp. Sta., 1898-9; sci. asst., Seed Lab., U. S. Dept. Agr., 1902-7; crop tech. in chg. grain standardization invests., U. S. Dept. Agr., 1907-18; traveled in Australian grain belt, 1918; present position, 1918–. Fellow A. A. A. S.—*b.* Wapakoneta, O., Nov. 16, 1873; *s.* August and Amanda (Myers) D.; reared on farm; *m.* Elva Smith, May 11, 1904; *c.* Maxine, Wm. August. B.Sc., Ohio State Univ., 1897; D.Sc., Univ. Mich., 1902. Kappa Sigma.

Dvoracek, Daniel Clayton, co. agrl. agt., Bemidji, Minn.

Instr. agr., high-sch., Montgomery, Minn., 1913-8; agrl. agt. Douglas Co., 1918-9; instr. agr., high-sch., Dassel, 1919-20; agrl. agt., Beltrami Co., 1920–. (Live-stock).—*b.* Glencoe, Minn., Aug. 29, 1887; *s.* Anton and Catherine (Danek) D.; reared on farm; *m.* Ella M. Stansfield; *c.* Francis Anton, Catherine Helen. B.S., Univ. Minn., 1913.

Dvorachek, Henry Edmund, prof. an.husb. and dairying, Univ. Ark., Fayetteville, Ark.

Instr. an. husb., Colo. Agr. Coll., 1910-1; manag. Holland Dairy, Colorado Springs, 1911-2; asst. prof. an. husb., Colo. Agr. Coll., 1912-3; assoc. prof., 1913-4; present position, 1915–. Sec.-treas. Colo. Live-Stock Breeders Assoc., 1914-5; N. W. Ark. Dairymens Assoc., 1918-20; N. W. Ark. Sheep and Goat Growers Assoc., 1918.—*b.* Glencoe, Minn., July 27, 1885; *s.* Anton and Katherine (Danek) D.; reared on farm; *m.* Clara Schultz, June 10, 1911; *c.* Wm. Henry, Harold Edmund, Mae Ellen. B.S.A., Univ. Minn., 1910. Alpha Zeta.

Dyer, Cyrus Leavitt, fruit-grower, Box 34, Stilwell, Okla.

Sci. asst. hort. and pom. invests., Bur. Plant Ind., Riverside, Calif., 1914-9. (Improvement of deciduous fruits through bud-selection, especially apples). —*b.* Elm Springs, Ark., Jan. 23, 1892; *s.* Wm. Howard and Laura (Leavitt) D.; reared in town and on farm; *m.* Anne Elizabeth Outler, Apr. 19, 1916; *c.* Cyrus L. Jr., Elizabeth Ann. B.S.A., Univ. Ark., 1914.

Dyer, Walter Alden, author, Rock Walls Farm, Amherst, Mass.

On staff, Springfield Union, Mass., 1900-1; Criterion, N. Y., 1901; ed. Wall Paper News, N. Y., 1901-5; on staff, Country Life in America, 1905-6; manag. ed., 1906-14; assoc. ed., Amherst Graduates' Quarterly, 1916-8. *Auth.:* The Lure of the Antique, 1910; The Richer Life, 1911; Pierrot, Dog of Belgium, 1915; Early American Craftsmen, 1915; Gulliver the Great, and Other Dog Stories, 1916; The Humble Annals of a Back Yard, 1916; Creators of Decorative Styles, 1917; The Five Babbits at Bonnyacres, 1917; Handbook of Furniture Styles, 1918; The Dogs of Boy-

town, 1918; With the Help of God and a Few Marines (with Brig.-Gen. A. W. Catlin), 1919; Ben, the Battle Horse, 1919.—*b.* Roslindale, Mass., Oct. 10, 1878; *s.* Ebenezer Porter and Martha Augusta (Fearing) D.; *m.* Muriel Worthington Childs, June 1, 1907. A.B., Amherst Coll., 1900.

Dyer, Winthrop Kellogg, co. agrl. agt., Olivia, Minn.

Agrl. dir., high-sch., Olivia, 3½ yrs. (Pork and live-stock, club work).—*b.* Nevada, Ia., Oct. 14, 1889; *s.* Geo. W. and Martha A. (Kellogg) D.; reared on farm; *m.* Bessie M. Chambers, Nov. 25, 1915; *c.* Jane Barbara, Winthrop Geo. B.S., Ia. State Coll., 1912. Phi Gamma Delta.

Dykstra, Ralph R., dean, div. vet. med. and prof. vet. surg., Kans. State Agr. Coll., Manhattan, Kans.

Asst. prof. anatomy, obstetrics and clinics, Ia. State Coll., 1905-7; assoc. prof. 1907-9; prof., 1909-11; vet. insp., U. S. Bur. An. Ind., summer 1911; asst. prof. vet. med., Kans. State Agr. Coll., 1911-3; prof. surg., 1913–; dean vet. med., 1919–. Pres. Kans. Vet. Med. Assoc., 1917-8. *Auth.:* (with F. S. Schoenleber) Castration of Domesticated Animals, 1914.—*b.* Groningen, Netherlands, Sept. 24, 1879 (imigrated 1881); *s.* Jan and Geertje (Smilde) D.; reared in town; *m.* Cecelia Welch, Oct. 12, 1910. D.V.M., Ia. State Coll., 1905. Phi Kappa Phi; Alpha Psi; Gamma Sigma Delta.

Dynes, Roy Charles, co. agrl. agt., Cavalier, N. D.

Asst. farm manag., N. D. Agr. Coll., 1914-7; present position, 1917–.—*b.* Summerberry, Alta., May 21, 1889 (naturalized 1914); *s.* Thos. and Ruth (Levins) D.; reared on farm; *m.* Alice Louise Poland, May 26, 1917; *c.* Chas. Everett. B.S.A., N. D. Agr. Coll., 1914. Alpha Zeta.

E

Earle, Drayton Edwin, cotton specialist, Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Instr. textile engin., Tex. A. & M. Coll., 1905-6; asst. prof. textile engin. and cotton judging, Clemson Agr. Coll., 1906-10.—*b.* Pickens, S. C., Sept. 29, 1879; *s.* Berry B. and Laura T. (Baker) E.; reared on farm; *m.* Jeannette A. Rochester, June 22, 1910; *c.* Anne Eugenia, Judson Drayton, Rochester Baker. B.S., Clemson Agr. Coll., 1903.

Earle, Franklin Sumner, expert in cane diseases, Insular Exp. Sta., Rio Piedras, Porto Rico.

With Miss. Exp. Sta., 1894-5; asst. path. in chg. mycological herbarium, U. S. Dept. Agr., 1895-6; hort., Ala. Exp. Sta., 1896; prof. biol., Ala. Poly. Inst., 1896-1901; asst. curator in chg. mycological collections, N. Y. Bot. Gard.; sent by N. Y. Bot. Gard. and U. S. Dept. Agr. to Cuba, Porto Rico, and Jamaica, 1903; dir. Estacion Central Agronomica of Cuba, 1904-6; consulting agrst., Cuban-Amer. Sugar Co., 1908-11; pres. Cuba Fruit Exchange, 1911-4; specialist in cane culture, U. S. Dept. Agr., Porto Rico, 1918-9; present position, 1919–. Fellow A. A. A. S. Pres. Bot. Soc. of Amer., 1907-6. *Auth.:* Southern Agriculture, 1907.—*b.* Dwight, Ill., Sept. 4, 1856; *s.* Parker and Melanie (Tracy) E.; *m.* Susan B. Shekan, 1886; 2d, Esther J. Shekan, 1896. Studied Univ. Ill.; M.S., Ala. Poly. Inst., 1902.

Earp, Edwin Lee, prof. sociol., Drew Theol. Sem., Madison, N. J.

Ordained M. E. ministry, 1900; pastor, Newark and Plainfield, N. J., 1900-4; head dept. sociol., Syracuse Univ., 1904-9; present position, 1909–. Mem. Comn. on Church and Country Life of Fed. Council of Churches of Christ in Amer. Del. Intern. Congress of Hygiene and Demography, Washington, D. C. Lect. rural sociol., Farmers Week, Cornell Univ., Rutgers Coll.; School for Rural Leadership, Cornell Univ. Traveled in Europe, 1898-9, 1900-1. *Auth.:* Social Aspects of Religious Institutions, 1908; The Social Engineer, 1911; The Rural Church Movement, 1914; A Community Study or The Religious Social Survey, 1917; The Rural Church Serving the Community, 1918.—*b.* Illchester, Md., Oct. 26, 1867; *s.* Israel S. and Rachel Melcena (Barnette) E.; reared on farm; *m.* Lina Gibb Pearsall, May 1, 1901; *c.* Ruth, James. A.B., Dickinson Coll., 1898; A.M., N. Y. Univ., 1897; B.D., Drew Theol. Sem.,

1898; Ph.D., Leipzig, 1901; awarded Delaplaine McDaniel fellowship, Drew Theol. Sem., 1898. Phi Beta Kappa; Phi Delta Theta.

Eason, Thomas Dotterer, state superv. agrl. educ., State Bd. Educ., Richmond, Va.

Asst. agrl. bot., N. C. State Coll., 1907-8; prof. nat. sci., Lincoln Memorial Univ., Tenn., 1908-9; head sci. dept., State Univ. Sch., Okla., 1909-11; head dept. agr. and biol., State Normal Sch., Farmerville, Va., 1911-8; present position, 1918–. Fed. state dir., U. S. Boys' Working Reserve in Va. Del. to Intern. Sch. Hygiene Congress, Buffalo, 1913. (Agrl. educ., biol.).—*b.* Abbeville, S. C., Sept. 12, 1887; *s.* Jas. Monroe and Marie Caroline (Gary) E.; reared in city and on farm; *m.* Carrie Christian Rennie, Apr. 24, 1915; *c.* Thos. D. Jr., Marie Gary. B.S., Clemson Agr. Coll., 1907; grad. student N. C. State Coll., Univ. Vt., Teachers' Coll., Columbia Univ., Cornell Univ.

Eastman, Edward R., ed. Dairymens League News, 303 Fifth Ave., New York City.

Vice-princ. high-sch., Newark Valley, N. Y., 2 yrs.; princ. high-sch., Interlaken, 5 yrs.; agrl. agt., Delaware Co., 1916-7; asst. state dir. co. agts., Cornell Univ., 1917-8; present position, 1918–. —*b.* Berkshire, N. Y., Sept. 29, 1885; *s.* Chas. R. and Elizabeth (Roe) E.; reared on farm; *m.* Belle V. Rockefeller, 1907; *c.* Donald D., Geo. R., John R. Special student, Cornell Univ.

Eastman, Eric Eyre, assoc. prof. soils, Ia. State Coll., Ames, Ia.

Instr. soils, Ia. State Coll., 1913-5; asst. prof., 1915-7; assoc. prof., 1917–. —*b.* Denver, Colo., Feb. 27, 1890; *s.* Clyde J. and Florence (Rose) E.; reared in suburbs; *m.* Amalia Schloesser, 1910; *c.* Eric Earl, Alfred Clyde. B.S., Ia. State Coll., 1913; M.S., 1915. Phi Kappa Phi; Gamma Sigma Delta; Phi Kappa Psi.

Eastman, Jasper F., co. agrl. agt., Binghamton, N. Y.

Asst. agr., N. H. Exp. Sta., 1907-9; agrst., N. Y. State Sch. Agr., Morrisville, 1910-6; agt. Broome Co., 1916–. *Auth.:* Soils Laboratory Manual, 1915. —*b.* Townsend, Mass., Mar. 17, 1887; *s.* Geo. L. and Emily M. (Wheeler) E.; reared on farm; *m.* Mildred A. Churton, Aug. 22, 1912; *c.* Janet Roper. B.S., Mass. Agr. Coll., 1907; M.S., Univ. Ill., 1910. Phi Kappa Phi.

Eastman, Moses Gale, asst. prof. agron., N. H. Coll., Durham, N. H.

Agrl. agt., Sullivan Co., N. H., 1913-4; asst. comnr. agr., 1914-5; farm supt., J. A. Tracy Farm, New London, 1916-8; present position, 1918–. (Farm manag.).—*b.* Sanbornton, N. H., Sept. 13, 1886; *s.* Geo. P. and Laurenia A. (Gale) E.; reared on farm; *m.* Josephine B. Currier, June, 1916; *c.* Laurenia Annie. B.S., N. H. Coll., 1913; M.S., Cornell Univ., 1916. Alpha Tau Omega.

Eastman, William R., co. agrl. agt., Romney, W. Va.

Asst. bot. and veg. path., Md. Agr. Coll., 1907; prof. hort. and for., Winona Coll. Agr., Winona Lake, Ind., 1908-11. Farmer, O., 2 yrs., Mich., 3 yrs.—*b.* Nashua, Ia., Dec. 27, 1881; *s.* Wm. A. and Hattie A. (Powers) E.; reared on farm; *m.* Edith Cross, Feb. 24, 1915; *c.* Harold D. B.S.A., Ia. State Coll., 1906.

Eastwood, George R., distr. co. agt. leader for S. W. Ohio, Ohio State Univ., Columbus, O.

With Ky. Exp. Sta., June-Sept. 1910; O. Exp. Sta., 1910-5; agrl. agt. Miami Co., O., 1915-8; present position, 1918–. —*b.* Madisonville, Ky., Oct. 3, 1885; *s.* Chas. S. and Mary Elizabeth (Rust) E.; reared on farm. B.S.A., Univ. Ky., 1910.

Eaton, David Franklin, co. agrl. agt., Ballinger, Tex.

Instr. math., Daniel Baker Coll., 1906-7; supt. high-schs., 1907-13; instr. sci., high-sch., Comanche, 1913-5; present position, 1916–.—*b.* Gatesville, Tex., Nov. 3, 1877; *s.* Geo. W. and Lucinda (Houston) E.; reared on farm; *m.* Fannye E. Epperson, Aug. 12, 1908; *c.* Geo. Epperson, David F. Jr., Fannie Brown, Jean Orey, Jammie Evilyn. B.S., Daniel Baker Coll., 1904; student Univ. Tex., 1905.

Eaton, Theodore Hildreth, prof. rural educ., Cornell Univ., Ithaca, N. Y.

Operator dairy and market-garden farm, W. Bridgewater, Mass., 1901-6; princ. and teach. agr., Gilmanton Acad., 1906-9; poultry farmer, Gilmanton, N. H., 1908-12; instr., Cornell Univ., 1912-3; instr. agrl. educ., Cent. State Normal, Mich., 1913-4; instr. agr., Columbia Univ., 1915-6; instr. rural educ., Teachers Coll., Columbia Univ., 1915-6; prof. agrl. educ., Conn. Agr. Coll., 1916-20; present position, 1920-; state superv. agr. in secondary schs., 1918-20. *Auth.:* Organization and Method in Agriculture in Secondary Schools, 1917.—*b.* St. Louis, Mo., May 23, 1877; *s.* Lucien and Hannah O. (Noyes) E.; reared in city and on farm; *m.* Theodora West, June 13, 1901; *c.* Theodore H. Jr., Julia. A.B., Harvard Univ., 1900; A.M., Columbia Univ., 1915; Ph.D., 1917. Phi Delta Kappa.

Ebersol, Elmer Tryon, co. agrl. agt., Lincoln, Ill.

Teach. Ill. high-schs., 10 yrs.; asst. chem., Univ. Ill., 1912; instr. crop production, 1913-6; chg. agrl. ext. serv., Sears Roebuck & Co., 1916-7.—*b.* Ottawa, Ill., May 27, 1867; *s.* J. E. C. and Maria W. (Tryon) E.; reared on farm; *m.* Virtue Grace Dille, Aug. 2, 1899; *c.* Elmer T. Jr. A.B., Univ. Ill., 1902; M.S., 1915; B.Agr., 1916.

Eby, Harvey L., teaching-fellow rural educ., Univ. Calif., Berkeley, Calif.

Supt. public schs., Alliance, O., 1910-3; field agt. and ext. teach., Kent State Normal Coll., Kent, O., 1913-5; dept. rural schs., 1915-6; prof. rural educ., Univ. Wyo., 1916-9. (Rural sch. practice).—*b.* Creston, O., Oct. 4, 1874; *s.* Tobias S. and Susannah (Leatherman) E.; reared on farm; *m.* Anna Marie Brawley, July 27, 1910; *c.* Constance Marie. B.A., Yale Univ., 1910.

Eckles, Clarence Henry, chief dairy husb. div., Univ. Minn., St. Paul, Minn.

Asst. dairy bact., Ia. Exp. Sta., 1896-1901; prof. dairy husb., Univ. Mo., 1901-18; present position, 1918-. *Auth.:* Dairy Cattle and Milk Production, 1911; Dairy Farming, 1916 (with Warren).—*b.* Marshall Co., Ia., Apr. 14, 1875; *s.* Chas. and Elvira (Powers) E.; reared on farm; *m.* Alice L. Smith, Dec. 14, 1898; *c.* Doris L., Chas. E., Ruth A. B.S.A., Ia. State Coll., 1895; M.S., 1897; D.Sc., 1916; student Univ. Wis., 1897-8; Goettingen, Germany, 1904-5; Berne, Switzerland, 1905. Sigma Xi; Alpha Zeta; Gamma Sigma Delta.

Eckman, Otto Leo, prof. an. husb., N. H. Coll., Durham, N. H.

Asst., Bur. Soils, U. S. Dept. Agr., 1904-7; supt. Hartman Stock Farm Dairy, Columbus, O., 1908-10; present position, 1910-.—*b.* Cincinnati, O., Aug. 14, 1880; *s.* Jacob and Bena (Schuster) E.; reared on farm and in city; *m.* Bertha Slack, June 13, 1905; *c.* Bertha Estella. B.S.A., Ohio State Univ., 1904.

Edgerton, Claude Wilbur, plant path., La. Exp. Sta., Baton Rouge, La.

Asst. bot. dept., Cornell Univ., 1905-7; instr., 1907-8; present position, 1908-. Vice-pres. Amer. Phytopath. Soc., 1918; pres., Southern Div., Amer. Phytopath. Soc., 1920. *Assoc. ed.,* Phytopathology. (Diseases southern field and truck crops).—*b.* Woodbine, Ia., Mar. 9, 1880; *s.* LeRoy A. and Mary Elizabeth (Luke) E.; reared on farm; *m.* Marion Evelyn Sweet, Sept. 20, 1905; *c.* Elda May, Allene, Wilbur LeRoy. B.S., Univ. Neb., 1903; Ph.D., Cornell Univ., 1908. Sigma Xi.

Edgerton, Palmer R., co. agrl. agt., Court House, Rock Island, Ill.

Farmer, Ind., 1906-14; agrl. ext. serv., Purdue Univ., winters, 1912-3; instr. an. husb., Purdue Univ., 1914-6; present position, 1916-.—*b.* Marion, Ind., Dec. 28, 1884; *s.* Jesse and Sarah (Shugart) E.; reared on farm; *m.* Mary Zoe McConnell, June 12, 1908; *c.* Jesse Clare, Janet Martelle, John Palmer. B.S.A., Purdue Univ., 1906.

Edinger, Paul Lincoln, co. agrl. agt., Carlisle, Pa.

b. Berks Co., Pa., Feb. 9, 1891; *s.* Levi T. and Sallie (Raudenbush) E.; reared on farm. B.S., Penn State Coll., 1917. Alpha Zeta.

Edler, George Christian, invest. in seed marketing, Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Contributing ed. to The Market Reporter. (Marketing grass and clover

seed).—*b.* Chicago, Ill., Dec. 13, 1889; *s.* Fred Carl and Adele Louise (Groll) E.; reared in town. B.S.A., Univ. Ill., 1911. Alpha Zeta.

Edminster, Albert Franklin, sci. asst. in pom., Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Instr. agr. and chem., Kent's Hill Sem., Me., 1913-4; instr. hort., Ia. State Coll., 1916-7; present position, 1917-.—*b.* New Bedford, Mass., Oct. 19, 1891; *s.* C. Franklin and Sarah Alberta (White) E.; reared in town and on farm; *m.* Elizabeth Freelove Talcott, June 11, 1917. B.S., Mass. Agr. Coll., 1913; M.S., Ore. Agr. Coll., 1915. Alpha Gamma Rho; Phi Kappa Phi.

Edmonds, John R., distr. agrl. agt., College Station, Tex.

Sch. teach., 10 yrs.; lawyer and farmer, 12 yrs.; co. agrl. agt., 4 yrs.; distr. agt., 1917-.—*b.* Va., Apr. 11, 1868; *s.* W. B. and Alice (Hill) E.; reared on farm and in city; *m.* Mar. 11, 1894; *c.* Rabh, May.

Edmonds, Mary Elizabeth, dean home econ., Mich. Agr. Coll., E. Lansing, Mich.

Instr. home econ. ext. div., Ohio State Univ., 1910-2; instr. Lewis & Clark High-Sch., Spokane., 1912-3; head home econ. dept., Univ. Mont., 1913-5; head dom. sci. dept., Mich. Agr. Coll., 1915-8; dean home econ., 1918-.—*b.* Oberlin, O., Mar. 21, 1887; *d.* Robt. H. and Martha Ann (Gray) E.; reared in city. B.S., Ohio State Univ., 1910. Sigma Xi; Omicron Nu.

Edmunds, Anna, home dem. agt., 205 County Bldg., Salt Lake City, Utah.

Teach. home econ., high-sch., 3 yrs. —*b.* Meadow, Utah; *d.* T. J. and Lydia (Galloway) E.; reared on farm. B.S., Utah Agr. Coll., 1916; grad. student Univ. Chicago.

Edmundson, Wilbur Clifford, hort., Bur. Plant Ind., U. S. Dept. Agr., Greeley, Colo.

Deputy state hort. insp., Ida., 1911-4; instr. and asst. hort., Univ. Ida., 1914-7; asst. prof., 1917-8; present position, 1918-; supt. Colo. Potato Exp. Sta., 1919-. (Fruit-growing, potatoes).—*b.* Moscow, Ida., Jan. 31, 1888; *s.* T. S. and Emma (Rowley) E.; reared in town and on farm; *m.* Alta Taylor; *c.* Robt. B.S.A., Univ. Ida., 1911; M.S., 1914. Kappa Sigma.

Edson, Howard Austin, path., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Instr. bact., Univ. Vt., 1906-8; asst. prof., 1908-10; present position, 1910-. Traveled in Europe and Philippines.—*b.* Randolph, Vt., Aug. 14, 1875; *s.* Franklin Howard and Mary Eunice (Bell) E.; reared on farm; *m.* Lillian Sara Buck, June 21, 1906; *c.* Thelma Cecilia, Ralph Howard, Margaret May. B.S., Univ. Vt., 1906; M.S., 1910; Ph.D., Univ. Wis., 1913. Phi Beta Kappa; Sigma Xi; Phi Delta Theta.

Edwards, Frank Lawrence, supt. Watkinson Farm Sch., Hartford, Conn.

Farm operator, 1908-11; head agrl. dept., E. Me. Conference Sem., Bucksport, 1911-3; dir. voc. agr., Worthington, Chesterfield. Williamsburg, Mass., 1913-5; instr. agr., Petersham Agrl. High-Sch., Petersham, Mass., 1915-7; present position, 1917-.—*b.* Boston, Mass., May 13, 1885; *s.* Ambrose H. and Ida M. (Strom) E.; reared in city; *m.* Edith J. Rushton, Sept. 28, 1910. B.S., Mass. Agr. Coll., 1908; Boston Univ., 1908. Phi Sigma Kappa.

Edwards, Howard, pres. R. I. State Coll., Kingston, R. I.

Assoc. princ. Bethel Military Acad., Va., 1878-80; teach. Bingham Sch., N. C., 1880-2; princ. Bethel Acad., 1882-4; princ. acad., Tuscumbia, Ala., 1884-5; prof. English and modern languages, Univ. Ark., 1885-90; Mich. Agr. Coll., 1890-1906; present position, 1906-.—*b.* Fauquier Co., Va., Nov. 7, 1854; *s.* Francis Marion and Frances Lawson (Bland) E.; *m.* Elizabeth M. Smith, Jan. 5, 1881. M.A., Randolph-Macon Coll., 1876; studied Univ. Leipzig, 1877-8, the Sorbonne, Paris, 1891-2; LL.D., Univ. Ark., 1891, Brown Univ., 1914.

Edwards, Joseph Lee, manag. agrl. sect., Div. Traffic, U. S. Railroad Adminis., Washington, D. C.

With Southern Ry. constituent cos., 1891-1912; Bonnyman-Norman Coal & Iron Co., 1912; traffic manag., Atlantic, Birmingham & Atlantic Ry.,

Atlanta, Ga., 1912-8; present position, 1918-.—*b.* Cuthbert, Ga., Nov. 11, 1870; *s.* Jos. A. and Emma (Miller) E.; reared in town.

Edwards, William Grimm, asst. prof. for., Penn. State Coll., State College, Pa.

Instr. bot. and for., Penn. State Coll., 1915-7; asst. prof. for., 1919-. Private Engineers, U. S. Army, 1917-8; 2d Lieut., Engineers, France, 1918-9.—*b.* Beaver Falls, Pa., Mar. 13, 1888; *s.* John E. and Margaret E.; reared on farm; *m.* Carolyn Reed Buckhout, July 14, 1919. B.S., Geneva Coll., Beaver Falls, Pa., 1910; B.S., Penn. State Coll., 1914: M.S., 1915.

Eggleston, Joseph Dupuy, pres. Va. Poly. Inst., Blacksburg, Va.

Teach. public schs., Ga., Va., N. C., 1886-9; supt. schs., Asheville, N. C., 1891-1900; Prince Edward Co., Va., 1903-5; state supt. public instr., 1906-13; chief field serv. in rural educ., U. S. Bur. Educ., Jan.-July, 1913; pres. Va. Poly. Inst., 1913-. Ed. and sec., Bur. Information and Publicity, Southern Educ. Bd., Univ. Tenn., 1902. *Auth.:* (with Bruere) The Work of the Rural School.—*b.* Prince Edward Co., Va., Nov. 13, 1867; *s.* Joseph Dupuy and Anne Carrington (Booker) E.; reared on farm; *m.* Julia Johnson, Dec. 18, 1895; *c.* Elizabeth C., J. D. III. A.B., Hampden-Sidney Coll., 1886; A.M., 1892; LL.D., Washington and Lee Univ., 1917. Phi Beta Kappa; Beta Theta Pi.

Ehrhorn, Edward Macfarlane, chief div. plant insp., Bd. Agr. and For., Honolulu, Hawaii.

Asst. ent. and deputy quarantine officer, State Bd. Hort., Calif., 1890-1; co. ent. and hort. comnr., Santa Clara Co., 1892-1909; 1st. deputy state comnr. hort. and quarantine officer, Calif., 1904-9; supt. ent., Bd. Agr. and For., Hawaii, 1909-17; chief div. plant insp., 1917-. Collaborator Fed. Hort. Bd., Washington. Fellow A. A. A. S.—*b.* San Francisco, Calif., Jan. 24, 1862; *s.* Adolphus and Louisa Maria (Macfarlane) E. Educ. Hamburg, Germany, 1871-8; Grenchen, Switzerland, 1878-9; Brighton Coll., England, 1879-80; Leland Stanford Univ., 1891.

Eichling, Henry Louis, co. agrl. agt., Clarinda, Ia.

Chg. farm crops, soils, farm manag., in 2-yrs. course, Ia. State Coll., 1911-9. Sec. Ia. Corn and Small Grain Growers Assoc.—*b.* Paulding, O., Dec. 14, 1887; *s.* Henry L. and Sophia (Weidmann) E.; *m.* Louise Ahlbrecht. B.S.A., Ia. State Coll., 1911. Sigma Nu; Alpha Zeta.

Eikenberry, Amos R., teach. agr., Manchester Coll., N. Manchester, Ind.

Teach. agr., Mt. Morris Coll., 1917-8; present position, 1918-.—*b.* Ceno Gordo, Ill., Jan. 16, 1889; *s.* John and Mary (Clingenpeel) E.; reared on farm; *m.* Elizabeth Wagoner, May 2, 1910; *c.* Helen Marie, Dale Wilbur. A.B., Mt. Morris Coll.; A.M., Manchester Coll., 1919.

Ekblaw, Karl John Theodore, prof. farm engin., Kans. State Agr. Coll., Manhattan, Kans.

Asst. agrl. engin., Univ. Ill., 1909-11; instr., 1911-3; assoc., 1913-6; present position, 1917-. *Auth.:* Farm Structures, 1913; Farm Concrete, 1917. Farm engin. ed., Farmers' Review, National Stockman, Capper Farm Papers.—*b.* Rantoul, Ill., July 14, 1884; *s.* Andrew and Ingrid (Johnson) E.; reared on farm; *m.* Alma Bertha Heuman, Aug. 14, 1913. B.S., Univ. Ill., 1909; M.S., 1913; M.E., Yale Univ., 1917. Gamma Alpha; Sigma Tau.

Eklof, Earl M., supt. Caldwell Substa. Exp. Farm, Caldwell, Ida.

Asst. farm crops, Univ. Ida., 1916; present position, 1917-.—*b.* Sweden, Mar. 14, 1891 (naturalized as minor); *s.* U. P. and Hulda (Carlson) E.; reared on farm. B.S.A., Univ. Ida., 1916.

Elder, Daisy Newcomb, home dem. agt., Medford, Okla.

Teach. rural schs., 11 yrs.; poultry raiser, Enid, Okla., 4 yrs.—*b.* Winfield, Kans., June 11, 1882; *d.* Hoyt Able and Mary (Doorley) Newcomb; reared on farm; *m.* E. E. Elder, May 21, 1907; *c.* Edna Earline, Jas. Hoy. Student Phillips Univ.

Eldredge, Ben. R., asst. prof. dairying, Utah Agr. Coll., Logan, Utah.

Breeder Devon cattle, 1887-97; dairy farmer, 1900-15; present position, 1915-.

—*b.* Salt Lake City, Utah, May 4, 1866; *s.* Horace S. and Chloe A. (Redfield) E.; reared in town and on farm; *m.* Lizzie Sharp, Aug. 18, 1887; *c.* Ben A., Jas. S. B.S.A. (hon.), Utah Agr. Coll., 1915.

Eleazer, James Malcolm, co. agrl. agt., Saluda, S. C.

Farm operator, 6 yrs.; insp. citrus canker eradication work, Bur. Plant Ind., U. S. Dept. Agr., 1916-7.—*b.* Spring Hill, S. C., Dec. 19, 1895; *s.* H. G. and Mary C. (Welch) E.; reared on farm. B.S., Clemson Agr. Coll., 1916.

Eliot, Howard McKenny, chief div. farm and ranch econ., Exp. Sta., Tex. A. & M. Coll., and field agt. in marketing, U. S. Dept. Agr., College Station, Tex.

Instr. agrl. econ., Univ. Wis., 1912-4; ext. worker in rural econ., Tex. A. & M. Coll., 1914-9; research work, 1919–.—*b.* Lansing, Mich., Dec. 27, 1875; *s.* Silas and Mary (McKenny) E.; reared on farm; *m.* Edith Stewart, Aug. 24, 1904. A.B., Olivet Coll., 1902; M.A., Univ. Wis., 1912. Phi Alpha Pi.

Ellenberger, Howard Bowman, prof. an. and dairy husb., Univ. Vt., Burlington, Vt.

Farm supt., Mo., 1905-13; instr. dairy husb., Cornell Univ., 1914-7; assoc. prof., Univ. Vt., 1917-8; prof., 1918–. *Auth.:* (with W. W. Fisk) Ice Cream Laboratory Guide. (Dairy manufactures).—*b.* Dallas, Ia., Nov. 15, 1882; *s.* Daniel P. and Julia (Yambert) E.; reared on farm; *m.* Margaret P. Flatt Mills, Dec. 29, 1910. B.S.A., Ia. State Coll., 1905; M.S.A., Cornell Univ., 1915; Ph.D., 1917.

Ellett, Walter Beal, prof. agrl. chem., Va. Poly. Inst., Blacksburg, Va.

Instr. chem., Va. Poly. Inst., 1896-1900; asst. chem., Va. Exp. Sta., 1904-8; chem., 1908–; present position, 1915–.—*b.* Montgomery Co., Va., Nov. 11, 1874; *s.* R. T. and S. (French) E.; reared in small town. B.S., Va. Poly. Inst., 1894; M.S., 1896; Ph.D., Goettingen Univ., Germany, 1904.

Elling, Carl George, specialist an. husb., Kans. State Agr. Coll., Manhattan, Kans.

Asst. an. husb., Santiago de Las Vegas, Cuba, 1904-7; asst. an. husb., Kans. State Agr. Coll., 1907-8; chg. live-stock dept., Colonial Sugars Co., Cienfuegos, Cuba, 1909-11; farmer, Okla., 1912-3; distr. agrl. agt., Kans., 1914-7; present position, 1917–.—*b.* Monee, Ill., Feb. 23, 1881; reared on farm; *m.* Mary Mudge, Aug. 9, 1911; *c.* Carl Mudge, Roland Baker, John Wallace. B.S., Kans. State Agr. Coll., 1904.

Elliott, Charles Gleason, consulting drainage engin., 506 McLachlen Bldg., Washington, D. C.

Expert in drainage and chief drainage invests., U. S. Dept. Agr., 1902-13. Traveled in Europe, 1908. *Auth.:* Practical Farm Drainage, 1882, rev. 1908; Engineering for Land Drainage, 1903, rev. 1911, 1919. *Ed.,* Drainage Journal, Indianapolis, 1901-2. (Agrl. drainage and reclamation).—*b.* Lowell, Ill., June 8, 1850; *s.* John Brown and Elizabeth (Sarles) E.; reared on farm; *m.* Lura M. Bullock, Jan. 1, 1879; *c.* Merton Melville, Herman Randolph, Edith Marion. B.S., Univ. Ill., 1877; C.E., 1892.

Elliott, Charles Henry, co. agrl. agt., St. Albans, Vt.

Teach. poultry ext., Cornell Univ., winter, 1915; general farmer, 3 yrs.—*b.* Merrifield, N. Y., June 30, 1889; *s.* Henry C. and Zulu M. (Van Liew) E.; reared on farm; *m.* Evelyn L. Nellis, Mar. 17, 1915. B.S., Cornell Univ., 1913.

Elliott, Charlotte, sci. asst. plant path., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Instr. bot., S. D. State Coll., 1914-6.—*b.* Berlin, Wis., Aug. 2, 1883; *d.* E. J. and Alice (Stickney) E.; reared in town. A.B., Leland Stanford Univ., 1907; A.M., 1913; Ph.D., Univ. Wis., 1918. Sigma Xi; Alpha Phi.

Elliott, Edwin E., head dept. agrl. educ. and superv. voc. agrl. educ., Ore. Agr. Coll., Corvallis, Ore.

Asst. prof. agr., Wash. State Coll., 1899-1901; assoc. prof., 1901-2; prof., 1902-4; head dept. and supt. farmers insts., 1904-8; dean agr. and prof. agrl. educ., Univ. Ida., 1908-11; farmer Koo-

tenai Valley, Ida., 1911-7; superv. agr., Milton, Ore. Mem. Ida. Legislature, 1913; state Senator, 1915; drainage and irrig. comnr. of Ida., 1915. Invest. agrl. conditions in Europe, 1904.—*b.* Morning Sun, O., Oct. 16, 1860; *s.* Hugh and Elizabeth (Robertson) E.; reared on farm; *m.* Virginia McIntosh, June 9, 1904; *c.* Esther Elaine. A.B., Monmouth Coll., 1881; A.M., 1883; M.S., Mich. Agr. Coll., 1910. Alpha Zeta.

Elliott, John Asbury, prof. plant path., Univ. Ark., Fayetteville, Ark.
Assoc. plant path., Del. Exp. Sta., 1916-7; present position, 1917–.—*b.* Ness City, Kans., Dec. 1, 1887; *s.* Geo. A. and Adelaide (Parker) E.; reared on farm; *m.* Margaret Elizabeth Allen, June 10, 1916; *c.* Margaret Elizabeth. A.B., Fairmount Coll., 1913; M.A., Univ. Kans., 1914; Ph.D., Univ. Ill., 1916.

Elliott, Norris Raymond, ext. hort., Univ. Ky., Lexington, Ky.
Asst. hort., Ohio State Univ., 1913-4; asst. prof. hort., Univ. Ky., 1914-5; ext. hort., 1915–.—*b.* Chandlersville, O., July 30, 1889; *s.* Harry and Evaline (Bevennaugh) E.; reared on farm; *m.* Anna Evans, Dec. 12, 1917. B.Sc., Ohio State Univ., 1913. Phi Gamma Delta.

Ellis, Alexander Caswell, prof. philosophy of educ., Univ. Tex., Austin, Tex.
Adj. prof. pedagogy, Univ. Tex., 1897-1903; assoc. prof. sci. and art of educ., 1903-8; dir. ext., 1912-4, 1915-7; prof. philosophy of educ., 1908–. Mem. bd. visitors, U. S. Naval Acad., 1903-4. Fellow A. A. A. S. Mem. council S. Educ. Assoc. Pres. Tex. Nut-Growers Assoc. Introduced *Opuntia Ellisiana*, a hardy thornless cactus suitable for forage and for human consumption. *Auth.:* (with E. J. Kyle) Fundamentals of Farming and Farm Life.—*b.* Franklin Co., N. C., May 4, 1871; *s.* O. L. and Mary Louise (McKnight) E.; reared on farm and in town; *m.* Mary Heard, 1901. A.B., Univ. N. C., 1894; Ph.D., Clark Univ., 1897. Phi Beta Kappa; Kappa Alpha.

Ellis, Kenneth Nicholas, co. agrl. agt., Waverly, Va.
b. Waverly, Va., June 9, 1892; *s.* Stanley V. and Jennie (Burt) E.; reared on farm; *m.* Ann Leth Duncanson, Sept. 15, 1917. Student Va. Poly. Inst.

Ellis, Reuben Ethelgrin, co. agrl. agt., Dresden, Tenn.
Farm supt., Miss. Delta, 1905-9; prof. agr., Cornell State Sch. Agr., Helena, Okla., 1909-13; agrl. agt., Weakley Co., Tenn., 1913–.—*b.* Booneville, Miss., May 25, 1881; *s.* John S. and Ida S. (Norwood) E.; reared in town; *m.* Jeannette Taylor, Feb. 14, 1914. B.S., Miss. A. & M. Coll., 1904.

Ellsworth, John Orval, co. agrl. agt., Gooding, Ida.
Head sci. dept., instr. chem. and agr., Ricks Acad., Rexburg, Ida., 1915-7.—*b.* Providence, Utah, Nov. 15, 1891; *s.* Asa Chas. and Emily Eliza (Theurer) E.; reared on farm; *m.* Annie E. Merrill, Nov. 26, 1914. B.S., Utah Agr. Coll., 1917. Delta Nu.

Elmer, Manuel Conrad, assoc. prof. rural and applied sociol., Univ. Minn., Minneapolis, Minn.
Prof. sociol. and econ., Fargo Coll., N. D., 1914-6; assoc. prof. rural and applied sociol., Univ. Kans., 1916-9; Univ. Minn., 1919–. *Auth.:* Technique Social Surveys, 1917. (Social survey work).—*b.* Monroe, Wis., Dec. 5, 1886; *s.* John and Anne (Denier) E.; reared on farm; *m.* June Ashley, Sept. 3, 1914; *c.* Anne June. B.S., Northwestern Coll., 1911; A.M., Univ. Ill., 1912; Ph.D., Univ. Chicago, 1914.

Elser, Wilbur L., asst. to ext. dir., N. Mex. A. & M. Coll., State College, N. Mex.
Asst. in chg. farm cost-accounting, Ohio Exp. Sta., 1909-14; asst. state leader chg. farm manag. dem., Purdue Univ., 1914-6; asst. state leader co. agt. work and farm manag. dem., N. Mex. A. & M. Coll., 1916-8; present position, 1918–.—*b.* Crestline, O., July 17, 1886; *s.* B. F. and Laura (McKeehen) E.; reared on farm; *m.* Ruby Louise Pitkin, June 6, 1911; *c.* Roger Pitkin, Elizabeth, Benj. Franklin. B.S., Ohio State Univ., 1909.

Elsworth, Ralph Henry, asst. state coop. in marketing, Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Country newspaper work in Mich., 1904-9; rural development work, Traverse City, 1909-15; manag. Grand Traverse Fruit and Produce Exchange, 1915; field agt. marketing in Mich., 1916-7.—*b.* Whitehall, Mich., Oct. 1, 1872; *s.* A. C. and Lucia (Bisbee) E.; reared in city; *m.* Louise Jagger, Dec. 13, 1905; *c.* Merle Margaret. A.B., Univ. Mich., 1902; A.M., 1904.

Elwood, Philip Homer Jr., asst. prof. lands. arch., Ohio State Univ., Columbus, O.
Asst. supt. Broad Brook Farm, Bedford Hills, N. Y., 1907; with Chas. W. Leavitt, N. Y. City, 1910-3; chg. civic improvement for small cities and towns, Mass. Agr. Coll., 1914-5; present position, 1915–. Mem. lands. firm, Elwood and Frye, Columbus. Capt. Field Artillery, U. S. Army, 1917-9; served with A. E. F. 1 yr; in chg. lands construction of Argonne Cemetery at Romagne, France.—*b.* Ft. Plain, N. Y., Dec. 7, 1884; *s.* Philip H. and Alice V. (Dolan) E.; reared in country. B.S.A., Cornell Univ., 1910. Kappa Psi.

Ely, George Russell, co. agrl. agt., Wynne, Ark.
Head dept. an. husb., State Agr. Sch., Jonesboro, Ark., 1913-5; chief clerk, Dept. Mines, Manufacturing and Agr., Ark., 1916-7.—*b.* Dimock, Pa., June 25, 1889; *s.* Frank L. and Emma (Johnson) E.; reared on farm. B.S., Penn. State Coll., 1913.

Ely, Richard Theodore, prof. econ. and chm. div. econ., Univ. Wis., Madison, Wis.
Head dept. political econ., Johns Hopkins Univ., 1881-92; head dept. econ., Univ. Wis., 1892–; lect. political econ., Univ. London, 1913. Mem. Baltimore Tax. Comn., 1885-6; Md. Tax. Comn., 1886-8. One of founders and sec. Amer. Econ. Assoc., 1885-92, pres., 1899-1901; 1st pres. Amer. Assoc. for Labor Legislation, 1907-8; sec. Amer. Assoc. for Agrl. Legislation, 1917–. Mem. Intern. Statistical Inst. Decorated "Officier de l'Instruction Publique," by French govt., 1920. *Auth.:* many books on political and economic questions. *Ed.*, Citizen's Library of Economics, Politics and Sociology and Social Text-Book Series, The Macmillan Co.—*b.* Ripley, N. Y., Apr. 13, 1854; *s.* Ezra Sterling and Harriett G. (Mason) E.; reared on farm; *m.* Anna Morris Anderson, June 25, 1884; *c.* Anna Mason, John T. A., Richard S. A.B., Columbia Univ., 1876; fellow in letters, 1876-9; A.M., 1879; Ph.D., Univ. Heidelberg, 1879; studied Univ. Halle, Heidelberg, Geneva and Royal Statistical Bur., Berlin, 1877-80; LL.D., Hobart Coll., 1892. Alpha Delta Phi.

Embleton, Harry, prof. poultry husb., Okla. A. & M. Coll., Stillwater, Okla.
Instr. poultry, Purdue Univ., 1912-3; in chg. boys' and girls' poultry club work in Okla., 1916-7; present position, 1917–. Pres. Okla. State Poultry Fed., 1918; sec. Okla. State Poultry Bd., 1918-9.—*b.* E. Orange, N. J., Jan. 1, 1888; *s.* Robt. and Eliza (King) E.; reared in town; *m.* Katherine Smith, Dec. 7, 1916; *c.* Thos. Wm. B.S., Cornell Univ., 1912.

Emerson, Dorothy, home dem. agt. and co. club leader, Georgetown, Del.
Substitute teach., Boston public schs., 1914-5; teach. dom. sci. and gymnastics, Kimball Union Acad., Meriden, N. H., 1915-7; home dem. agt., Portsmouth, N. H., 1917-8; Nashua, N. H., 1918-9; Sussex Co., Del., 1919–.—*b.* Waltham, Mass., July 30, 1893; *d.* Philip and Evelyn M. (Dewey) E.; reared in city. Grad. Framingham Normal, 1914.

Emerson, Paul, asst. prof. soils, asst. chief soil chem. and bact., Ia. State Coll., Ames, Ia.
Soil bact., Md. Exp. Sta., 1917-8; Ida. Exp. Sta., 1918-9; present position, 1919–.—*b.* Wilmington, Del., July 6, 1887; *s.* Fred E. and Orietta de Forest (Gray) E.; reared on farm; *m.* Grace E. Reynolds, July 22, 1916. B.S.A., Del. Coll., 1914; M.S.A., 1915; Ph.D., Ia. State Coll., 1917. Alpha Zeta; Phi Lambda Upsilon; Phi Kappa Phi; Omega Alpha.

Emerson, Rollins Adams, prof. plant-breeding, Cornell Univ., Ithaca, N. Y.
Hort., Off. Exp. Stas., U. S. Dept. Agr., 1897-9; prof. hort., Univ. Neb., 1899-1914; present position, 1914–. Vice-pres. Soc. Amer. Naturalists, 1915. *Assoc. ed.*, Genetics.—*b.* Jefferson Co., N. Y., May 5, 1873; *s.* C. D. and Mary

C. (Adams) E.; reared on farm; *m.* Hattie Hardin, 1898; *c.* Thera, Sterling H., Eugene H., Myra. B.Sc., Univ. Neb., 1897; D.Sc., Harvard Univ., 1913; LL.D., Univ. Neb., 1917. Phi Beta Kappa; Sigma Xi.

Emmert, Valentine Meacham, co. agrl. agt., McPherson, Kans.
Farmer and stockman, Blue Rapids, Kans., 1901-8; farmer, Brogado, Tex., 1908-11; princ. sch., Doran, Minn., 1912-3; dir. agr., high-sch., Buffalo, Minn., 1913-6; present position, 1916–. —*b.* Morristown, Ill., Feb. 9, 1880; *s.* Geo. S. and Laura Miriam (Meacham) E.; reared on farm; *m.* Anna McHugh, Nov. 22, 1910; *c.* Eolia, Merton. B.S.A., Kans. State Agr. Coll., 1901.

Enerson, Arthur Elmer, co. agrl. agt., Pipestone, Minn.
Instr., N. W. Sch. Agr., Crookston, Minn., 1916; co. agrl. agt., Great Falls, Mont., 1917. From private to 2d Lieut. Inf., U. S. Army, 1917-8.—*b.* Glencoe, Minn., Feb. 16, 1892; *s.* E. P. and Dora (Abelson) E.; reared on farm; *m.* Amy L. Rolfe, Feb. 17, 1919. B.S.A., Univ. Minn., 1915. Acacia.

Engberg, Russell Carl, ext. assoc. prof. farm manag., Ia. State Coll., Ames, Ia.
Asst. farm manag. dem., Ia. State Coll., 1917. Capt. Inf., U. S. Army, 1918-9.—*b.* Crawford Co., Ia., Mar. 6, 1894; *s.* John F. and Clara (Larson) E.; reared on farm; *m.* Florence Kern, May 23, 1918. B.S.A., Ia. State Coll., 1917. Theta Delta Chi; Phi Kappa Phi; Alpha Zeta; Delta Sigma Rho.

Engle, B. Homer, co. agrl. agt., Montrose, Pa.
Assoc. instr. agron., Penn. State Coll., 1915-6; agt. Susquehanna Co., 1916–. —*b.* Harrisburg, Pa., Oct. 11, 1894; *s.* B. H. and Emma F. (Hershey) E.; reared on farm. B.S., Penn. State Coll., 1916. Phi Sigma Kappa.

Ensign, Martin Russell, teach. voc. agr., high-sch., Lamar, Ark.
Asst. hort., Utah Exp. Sta., 1913; high-sch., Brigham City, Utah, 1916-7; ext. path., Bur. Plant Ind., 1917-8; present position, 1919–. (Physiol. and plant path.).—*b.* Brigham City, Utah, Nov. 24, 1890; *s.* Martin Luther and Martha (Wright) E.; reared on farm; *m.* Grace Marguerite Sabin, Dec. 26, 1916; *c.* Mary Marguerite. B.S., Utah Agr. Coll., 1912; student Mo. Bot. Gard., 1914-5; M.S., Cornell Univ., 1917.

Erdman, Henry Ernest, asst. prof. rural econ., Ohio State Univ., Columbus, O.
Grad. asst., Univ. Wis., 1916-7; present position, 1917–.—*b.* Armour, S. D., Nov. 6, 1884; *s.* Gustav and Anna M. (Stuempges) E.; reared on farm; *m.* Irene Maw, May 26, 1917. B.S., S. D. State Coll., 1912.

Erf, Oscar, prof. dairying, Ohio State Univ., Columbus, O.
Instr. dairying, Ohio State Univ., 1894-8; manag. Straight Dairy Co., 1898-9; assoc. prof. dairy husb., Univ, Ill., 1899-1903; prof. dairy and an. husb., Kans. State Agr. Coll., 1903-7; prof. dairying, Ohio State Univ., 1907–. Del. Intern. Dairy Convention, Scavanunging, Holland. Sec. O. State Dairymens Assoc. Traveled through Europe and Algiers. *Auth.:* Dairy Arithmetic; Dairy Fundamentals.—*b.* Monroeville, O., Dec. 17, 1874; *s.* Philip and Dorothea (Heyman) E.; reared on farm; *m.* Alice L. Ashton, June 28, 1905; *c.* Lowell Ashton. B.S.A., Ohio State University, 1898. Sigma Xi; Alpha Zeta.

Erwin, Arthur Thomas, chief in truck crops, Ia. Exp. Sta., Ames, Ia.
Prof. hort., Ia. State Coll., and exp. truck crops, 1903–. Fellow A. A. A. S., Ia. Acad. Sci. Sec. Ia. Veg. Growers Assoc. *Auth.:* Practical Farming and Gardening, 1908. *Hort. ed.,* Iowa Homestead, Wisconsin Farmer, 1910-4. —*b.* Fulton, Mo., Nov. 8, 1874; *s.* J. L. E.; reared on farm; *m.* Mary Turner, 1906; *c.* Doris, Howard Robt., Evalin. B.S., Univ. Ark., 1900; M.S., Ia. State Coll., 1901; cert. 4 yrs.' course gard., Mo. Bot. Gard. Kappa Alpha; Phi Kappa Phi.

Espe, Knute, co. agrl. agt., Nevada, Ia.
Soil surveyor, Ia. Exp. Sta., 3 yrs. (Soils).—*b.* Jewell, Ia., June 3, 1886; *s.* K. P. and Britta (Prescott) E.; reared on farm; *m.* Elsie Forrest, July 31, 1915. B.S., Ia. State Coll., 1915. Phi Kappa Phi; Alpha Zeta; Phi Lambda Upsilon; Acacia.

Esplin, Alma Cox, co. agrl. agt., Cedar City, Utah.

b. Orderville, Utah, May 18, 1888; *s.* Henry Webster and Philena (Cox) E.; reared on farm; *m.* Cleo Luke, June 7, 1911; *c.* Oleen, Luella, Alma Lamar, Wendell. B.S., Utah Agr. Coll., 1916.

Essig, Edward Oliver, asst. prof. ent., Univ. Calif., Berkeley, Calif.

Instr. ent., Univ. Calif., 1914-6; asst. prof., 1916–; farm adv., Ventura, Calif., 1918-9. Sec. Calif. State Comn. Hort., 1911-4; Ventura Co. hort. comnr., 1909-11; sec. Pacific Coast Branch, Amer. Assoc. Econ. Ent., 1915–. (Aphids). —*b.* Arcadia, Ind., Sept. 29, 1884; *s.* Monroe F. and Isabel (Todd) E.; reared on farm; *m.* Ethel M. Langford, June 13, 1910; *c.* Mary Isabel. B.S., Pomona Coll., 1909; M.S., 1912. Sigma Xi; Alpha Zeta.

Estabrook, Leon Moyer, statistician and chief, Bur. Crop Estimates, U. S. Dept. Agr., Washington, D. C.

Teach. country schs., 2 yrs.; N. Tex. Univ., 2 yrs. Farmer, Tex., 12 yrs., Md., 5 yrs. Clerk, War Dept., 1893-1903; stenographer, Bur. Plant Ind., 1904-5; chg. records, 1905-8; asst. chg. Off. Seed Distribution, 1909-13; chief clerk, Dept. Agr., 1913; present position, 1913–. Clerk Joint Com. of Congress to Invest. Business Methods in Exec. Depts. of Govt. Sec. Peoples' Gardens Assoc. of Washington, 1912; rep. Dept. Agr. adv. com., council Nat. Defense.—*b.* Rockford, Ill., Mar. 24, 1869; *s.* John Otis and Emma (Brown) E.; reared on farm; *m.* Nellie Louise Melling, May, 1901; *c.* Thelma Lee, Otis Woodrow. Student Corcoran Sci. Sch., Berlitz Sch. Languages, Washington; LL.B., Georgetown Law Sch., 1897.

Esten, William Merrill, prof. bact. and exp. soil bact., Conn. Agr. Coll., Storrs, Conn.

Asst. biol., Wesleyan Univ., 1894-1906; prof. biol., Chautauqua Coll., 1897-8; instr. histology, Brooklyn Inst. Arts and Sci., Cold Spring Harbor, 1895; present position, 1906–. Special agt., U. S. Dept. Agr. to World's Fair, Chicago, 1893.—*b.* Glendale, R. I., Aug. 27, 1862; *s.* Wm. Brown and Adaline (Taft) E.; reared on farm and in town; *m.* Bertha Lelia Langdon, Dec. 24, 1899; *c.* Lelia Merrill. B.S., Wesleyan Univ., 1894; M.S., 1896. Phi Beta Kappa.

Etheridge, William Carlyle, prof. farm crops, Univ. Mo., Columbia, Mo.

Asst. agron., N. C., Exp. Sta., 1907-10; assoc. agron., 1910-1; grad. asst. farm crops, Cornell Univ., 1912-5; prof. agron., Univ. Fla., 1915-6; present position, 1916–.—*b.* Roanoke Isl., N. C., June 30, 1885; *s.* Daniel Warren and Humantla (Meekins) E.; reared on farm; *m.* Fanny Elizabeth Cassel, Aug. 15, 1917. B.S.A., N. C. A.&M. Coll., 1906; M.S., Cornell Univ., 1912; Ph.D., 1915. Sigma Xi; Gamma Sigma Delta.

Etherton, William Alonzo, writer and agrst., Ava, Ill.

Prof. arch. engin., Okla. A. & M. Coll., 1908-12; arch. in chg. farm structures, U. S. Dept. Agr., 1912-5; prof. rural arch., Kans. State Agr. Coll., 1915-7; writer on farm building subjects, 1918–; inventor Etherton farm water system, 1915; pres. Rural Sanitary Engin. Mfg. Co., 1920–. *Auth.:* Farm Houses, 1917.—*b.* Jackson Co., Ill., Dec. 11, 1874; *s.* A. M. and Mary (Henson) E.; reared on farm; *m.* Sadie Dean, Jan. 10, 1905; *c.* Murray Dean. B.S., Univ. Ill., 1904; M. of Arch., 1914. Sigma Xi; Phi Kappa Phi.

Etter, Albert Felix, plant-breeder and strawberry plant nurseryman, Ettersburg, Calif.

Founder Ettersburg Exp. Sta.; foundational work in breeding apples and "Ettersburg" strawberries.—*b.* El Dorado Co., Calif., Nov. 27, 1872; *s.* Benj. and Wilhelmina (Kern) E.; reared on farm.

Eustace, Harry J., advertising dept., Curtis Pub. Co., San Francisco, Calif.

Prof. hort., Mich. Agr. Coll., to 1919. U. S. Food Adminis., Washington, 1917-9.—*b.* Rochester, N. Y., Apr. 24, 1877; *s.* Joshua H. and Bell (Thompson) E.; reared in city and on farm; *m.* Eugertha Emily Lawrence, Oct. 19, 1907. B.S., Mich. Agr. Coll., 1901; Mast. Hort., 1911 (hon.).

Evans, Albert Ray, project leader, grain sorghum invest., Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Asst. agron., Univ. Mo., 1912-4; instr. farm crops, 1914-6.—*b.* Winterset, Ia., Dec. 22, 1887; *s.* Alex and Katherine (Allen) E.; reared on farm. B.S., Okla. A. & M. Coll., 1912. Gamma Alpha; Alpha Zeta.

Evans, Frederick Noble, asst. prof. and head div. lands. gard., Univ. Ill., Urbana, Ill.

Lands. arch., firm Evans and Punchard, Cleveland, O., 4 yrs. *Auth.:* Town Improvement, 1919.—*b.* Youngstown, O., July 25, 1881; *s.* Daniel Henry and Sarah Jane (Livingstone) E.; reared in town; *m.* Belle Spencer Sanford; *c.* Sarah Jane, Janet Sanford. A.B., Harvard Univ., 1905; M.L.A., 1911. Sigma Alpha Epsilon.

Evans, Harold James, co. agrl. agt., Mineola, N. Y.

Manag. Nassau Co. Farm Bur., 1917–.—*b.* Broadalbin, N. Y., Jan. 17, 1893; *s.* Fred and Lucy (Gray) E.; reared on farm; *m.* Lizzie Amelia Brown, Nov. 29, 1917. B.S., Cornell Univ., 1917. Alpha Gamma Rho.

Evans, Leon Merrill, co. agrl. agt., Chillicothe, O.

b. Jackson, O., Nov. 5, 1892; *s.* Gomer C. and Minnie S. (McClure) E.; reared on farm; *m.* Florence M. Brown, Apr. 10, 1917. B.S.A., Ohio State Univ., 1916.

Evans, Morgan William, asst. agron., U. S. Dept. Agr., N. Ridgeville, O.

With Off. Forage Crops, U. S. Dept. Agr., 1907–. (Timothy).—*b.* Neath, Pa., Feb. 22, 1879; *s.* Wm. H. and Anna B. (Evans) E.; reared on farm; *m.* Zoe A. Dyer, Sept. 1, 1915; *c.* Anna Catherine. B.S.A., Cornell Univ., 1906; M.S., Geo. Washington Univ., 1920.

Evans, Robert James, state leader co. agts. and asst. dir. ext. div., Utah Agr. Coll., Logan, Utah.

Chg. dry-farming ext., Utah Agr. Coll., 1912-3; present position, 1913–. —*b.* Lehi, Utah, July 2, 1881; *s.* Abel John and Louisa Emeline (Zimmerman) E.; reared in small city; *m.* Hazel Stallings, Aug. 21, 1907; *c.* Robt. John, Helen. B.S.A., Utah Agr. Coll., 1909; Ph.D., Cornell Univ., 1912. Sigma Xi; Gamma Sigma Delta.

Evans, Samuel Ernest, co. agrl. agt., Bennettsville, S. C.

Instr. agr., agrl. high-sch., Eros, La., 1910-2; instr. agr., La. Ind. Inst., Ruston, 1913-4; farmer, 1915–. (Agron., live-stock).—*b.* New Zion, S. C., Feb. 27, 1887; *s.* John Stephen and Hattie (Epps) E.; reared on farm. B.S., Clemson Agr. Coll., 1910; M.S., Univ. Wis., 1914. Acacia.

Evans, Walter Harrison, chief insular stations, U. S. Dept. Agr., Washington, D. C.

Asst. bot., Wabash Coll., 1887-90; bot. Eli Lilly Co., Indianapolis, Ind., 1890-1; special agt., U. S. Dept. Agr., 1891-2; present position, 1902–. Fellow A. A. A. S. Del. to Intern. Conferences on For., Hort. and Exp. Stas., Paris, 1900. Survey of Alaska, 1897-8; Guam, 1908. Bot. ed., Experiment Station Record, 1893–.—*b.* Delphi, Ind., Jan. 3, 1863; *s.* Joseph and Catherine (Bricker) E.; reared on farm; *m.* Bessie Binford, Oct. 22, 1890; *c.* Margaret B. A.B., Wabash Coll., 1887; M.A., 1889; Ph.D., 1896. Sigma Chi.

Everett, Charles Horatio, ed. Wisconsin Agriculturist, Racine, Wis.

Farmer until 1895; ed. Wisconsin Agriculturist, 1895–. Ex-pres. Wis. State Dairymens Assoc.; ex-sec. Wis. State Bd. Agr.; mem. Wis. State Bd. Agr., 1905–; pres. Wis. Live-Stock Sanitary Bd. Mem. Wis. Assembly, 1912; Wis. Senate, 1914.—*b.* Rock Co., Wis., Mar. 22, 1855; *s.* Josiah Milton and Mary E. (Ross) E.; reared on farm; *m.* Angerona Barningham, 1878; 2d, Grace L. Lang, 1910; *c.* Milton Wayne.

Everett, George Abram, prof. ext. teach., Cornell Univ., Ithaca, N. Y.

Teach. Lawrenceville Sch., N. J., 1902-4; instr., Cornell Univ., 1904-6; asst. prof., 1906-7; teach. Flushing high-sch., 1907-9; asst. prof., Cornell Univ., 1910-5; prof., 1915–. (Public speaking).—*b.* Lawrence, N. Y., Apr. 18, 1875; *s.* Luther and Martha (Abram) E.; reared on farm; *m.* Anna McEwen, Nov., 1907; *c.* Martha, Richard. A.B., Cornell Univ., 1899; LL.B., 1901.

Everett, George Dudley, co. agrl. agt., McKinney, Tex.

Teach. agr., high-sch., Brenham, Tex., 1 yr.; manag. Tex. Seed and Floral Co.

test farm, Dallas, 1½ yrs.; sci. asst., Walker Truck farm, 1 yr.; garden specialist, Tex. A. & M. Coll., 2 yrs. (Veg. gard.).—*b.* Dallas, Tex., Nov. 20, 1891; *s.* J. W. and Isabelle Virginia (Dudley) E.; reared on farm and in city; *m.* Elizabeth Adele Drasch, Sept. 15, 1917; *c.* Elizabeth Adele. B.S., Tex. A. & M. Coll., 1915.

Everett, Rachel Lockwood, home dem. agt., Westminster, Md.

Teach. high-sch., Cumberland, Md., 1911-7, superv. home econ., 1913-7; present position, 1917–.—*b.* Kent Co., Mich., Nov. 23, 1883; *d.* Herbert and Harriet (Stage) E.; reared on farm. Grad. W. Mich. State Normal, 1911; student Univ. Chicago, summer 1912.

Evvard, John Marcus, prof. an. husb., Ia. State Coll., in chg. an. husb. sect., Exp. Sta., Ames, Ia.

Asst. city ed., Pontiac Sentinel, 1904; asst. to dean and dir. Coll. Agr. and Exp. Sta., Univ. Mo., 1907-10; in chg. and asst. chief an. husb., Ia. Exp. Sta., 1910-8; chief in swine production, 1911–; chief in nutr, 1911-9; assoc. prof. an. husb., Ia. State Coll., 1916-8; prof., 1918–. Chm. Swine Comn. and mem. adv. com. on swine, U. S. Food Adminis., 1917. Vice-pres. Amer. Soc. An. Production, 1916-7, pres., 1918. *Auth.:* Feeding Hogs for Profit, 1913; Hogs (with A. J. Lovejoy). *Contributing ed.*, National Swine Magazine, 1909-10; Berkshire World and Corn Belt Stockman, 1915-6; Swine World, Duroc Bulletin, 1918-9. Fellow Ia. Acad. Sci.; fellow A. A. A. S.—*b.* near Saunemin, Ill., Nov. 6, 1884; *s.* John B. and Mary (Leitel) E.; reared on farm; *m.* Mattie Casey Cooper, Aug. 10, 1911; *c.* Mary Margaret, John Cooper, Martha Jane. B.S.A., Univ. Ill., 1907; M.S.A., Univ. Mo., 1909. Sigma Xi; Phi Lambda Upsilon; Phi Kappa Phi; Gamma Sigma Delta; Alpha Zeta.

Ewan, Avory Early, supt. exp. fields, Ky. Exp. Sta., Lexington, Ky.

Supt. Exp. Sta. farm, Univ. Ky., 1910-3; supt. exp. fields, 1913–.—*b.* Helena, Ky., Nov. 13, 1884; *s.* Avory Mitchell and Lydia Ann (Chappell) E.; reared on farm; *m.* Mary Alice Lovell, Apr. 16, 1916; *c.* Lydia Allison. B.SA., Univ. Ky., 1910. Alpha Tau Omega.

Ewing, Henry Ellsworth, specialist, Bur. Ent., U. S. Dept. Agr., Washington, D. C.

Asst. ent., Ore. Exp. Sta., 1911-4; asst. prof. zool., Ia. State Coll., 1914-6; assoc. prof., 1916-9; specialist, miscellaneous insects, Bur. Ent., 1919–. Fellow A. A. A. S., Ia. Acad. Sci. Farming. 1 yr.—*b.* Arcola, Ill., Feb. 11, 1883; *s.* J. H. and A. L. (McDonald) E.; reared on farm; *m.* Bertha M. W. Riley; *c.* Paul McDonald. A.B., Univ. Ill., 1906; M.A., 1908; Ph.D., Cornell Univ., 1911. Sigma Xi; Phi Delta Theta.

Ewing, Perry Van, specialist in feeding and nutr., Manhattan Bldg., Chicago, Ill.

Student asst. an. husb., Ohio State Univ., 1911; asst. to pres. Kans. State Agr. Coll., 1912-3; an. husb., Tex. Exp. Sta., 1913-9; commercial work, 1919–. Organized Breeders Supply Co., Chicago, 1919. *Auth.:* Southern Pork Production, 1918.—*b.* Dallas, Tex., Aug. 25, 1889; *s.* Robt. Brown and Mamie (Clark) E.; reared in country; *m.* Louise Mitchell, Aug. 24, 1913; *c.* Frances Clark. Perry V. Jr. B.S.A., Ohio State Univ., 1911; M.S., 1913. Sigma Xi.

Ezell, Belton Bonner, asst. dir. agrl. ext., W. Va. Univ., Morgantown, W. Va.

Teach., Univ. Fla., 1910; high-sch., Clarksville, Tenn., 1911-2; co. agrl. agt., Charleston, W. Va., 1912-4; asst. state agt., W. Va., 1914-7; present position, 1917–.—*b.* Spartanbury Co., S. C., Oct. 14, 1881; *s.* J. J. C. and R. C. (Martin) E.; reared on farm; *m.* Ruby E. Fisher, Dec. 15, 1914; *c.* Elben Bonner, Jas. Donald. B.S., Clemson Agr. Coll., 1908.

F

Fabian, Frederick William, asst. prof. bact. and hygiene and research assoc. bact. Exp. Sta., Mich. Agr. Coll., E. Lansing, Mich.

Lab. asst. chem., Allegheny Coll., 1 yr.; milk insp., 6 mos.; ice-cream insp., 6 mos., Detroit Bd. Health; bact. for Ford Motor Co., Detroit, 1916; present position, 1917–. 2d Lieut. Sanitary Corps, U. S. Army, 1918. (Ice-cream). —*b.* Diamond, Pa., Mar. 26, 1888; *s.*

August G. and Estella H. (Proper) F.; reared in town; *m.* Martha Thompson Gilchrist, Aug. 10, 1916. B.S., Allegheny Coll., 1914. Alpha Chi Sigma.

Fagan, Frank Nelson, prof. pom., Penn. State Coll., State College, Pa.

Present position, 1912–. Sec. State Hort. Assoc. of Pa., 1916-7.—*b.* Richmond, Ind., Sept. 29, 1888; *s.* Joseph Atwood and Mary Ann (Kitson) F.; reared on farm; *m.* Etta Wingate Jones, Apr. 25, 1912; *c.* Anne Bourne. B.Sc., Ohio State Univ., 1910. Alpha Gamma Rho.

Fain, John Richard, prof. agron., Univ. Ga., Athens, Ga.

Farm supt., Univ. Tenn., 1898-1904; asst. prof. agr., Va. Poly. Inst., 1904-7; present position, 1907–. Farming, 1893–8.—*b.* Jefferson City, Tenn., Dec. 7, 1873; *s.* Samuel N. and Sallie (Fain) F.; reared on farm. B.S., Univ. Tenn., 1900.

Fairbank, James P., prof. agrl. engin., Wash. State Coll., Pullman, Wash.

Instr. agrl. engin., Wash. State Coll., 1916-7; asst. prof., 1917-9; prof. and head dept., 1919–. (Power farming).—*b.* Ord, Neb., Sept. 25, 1891; *s.* Chas. E. and Grace (Partridge) F.; reared on farm. B.S., Univ. Neb., 1916. Alpha Zeta; Sigma Tau.

Fairchild, David, agrl. explorer in chg. Off. Foreign Seed and Plant Introduction, U. S. Dept. Agr., Washington, D. C.

Sect. Veg. Path., U. S. Dept. Agr., 1889-94; present position, 1898–. Traveled with Barbour Lathrop on trip of reconnaisance preparatory to work of plant introduction, through Dutch E. Indies, Australia, New Zealand, South Sea Isls.; agrl. explorer through S. Amer., N. and S. Africa, China, Japan, Europe, 1898-1903. Pres. Amer. Genetic Assoc.; mem. bd. of managers, Nat. Geographic Soc.—*b.* Mich. Agr. Coll., Apr. 7, 1869; *s.* Geo. T. and Charlotte Pearl (Halsted) F.; reared in suburbs; *m.* Marion Hubbard Bell, Apr. 25, 1905; *c.* Graham Bell, Barbara Lathrop, Nancy Bell. B.S., Kans. State Agr. Coll., 1888; M.S., 1893; post grad. work in bot., Ia. State Coll., 1888; Rutgers Coll., 1889; Naples Zool. Sta., 1893; Breslau and Berlin, 1894; Bonn, 1895; Münster, 1895; Palermo Bot. Gard., 1894; Buitenzorg Bot. Gard., 1896; D.Sc., Oberlin Coll., 1915.

Falconer, John Ironside, prof. rural econ., Ohio State Univ., Columbus, O.

Asst. agron., R. I. Exp. Sta., 1910-1; asst. prof. rural econ., Ohio State Univ., 1914-8; prof., 1918–.—*b.* Mason, N. H., Jan. 13, 1888; *s.* Geo. and Annie (Watson) F.; reared on farm. B.S., N. H. Coll., 1909; M.S., Univ. Wis., 1912; Tarplewich fellow, 1912-3; Ph.D., 1914. Alpha Zeta; Beta Phi.

Falkner, Mordis, farmer and hort., Waco, Tex.

Sec.-treas. Tex. Farmers Congress. Formerly pres. Tex. Nut Growers Assoc.; pres. Tex. State Hort. Soc.—*b.* Waco, Tex., Feb. 25, 1882; *s.* Calton and Emma (Kellum) F.; reared on farm; *m.* Jessie Riley, Apr. 7, 1908; *c.* Jas. Calton. Student Baylor Univ., Waco, Tex.

Falls, Grover William, co. agrl. agt., Elizabeth City, N. C.

Teach. Ark. State Agrl. Sch., 1913-5; ext. serv., N. C., 1915–. (Agron.).—*b.* Pottsville, Ark., Aug. 30, 1892; *s.* J. E. and Amanda (Wells) F.; reared on farm. B.S., Ark. State Agrl. Sch., 1912.

Fanning, Vera, home dem. agt., 127 East Ave., Rochester, N. Y.

Teach., Baldwin, L. I., 4 yrs.; Riverhead, 1 yr.; with Fed. Food Bd., N. Y. City, 4 mos.; R. I. state ext. serv., 6 mos.—*b.* Riverhead, N. Y., Mar. 25, 1891; *d.* Elbert A. and Sarah (Tuthill) F.; lived on farm. B.S., Teachers Coll., Columbia Univ., 1918.

Farley, Arthur James, assoc. prof. hort. and acting hort. Exp. Sta., Rutgers Coll., New Brunswick, N. J.

Asst. hort., N. J. Exp. Sta., 1908-11; assoc. hort. in ext. 1912-4; acting hort., 1919–; instr. hort., Rutgers Coll., 1914-6; asst. prof., 1916-8; assoc. prof., 1918–.—*b.* Waltham, Mass., Sept. 2, 1885; *s.* Frederick W. and M. Wheatie (MacDonald) F.; reared on farm; *m.* Edith B. McLaury, June 3, 1914; *c.* Margaret W. B.Sc., Mass. Agr. Coll., 1908.

Farley, Daniel V., farmer, Campbell Hall, N. Y.

Mem. Reconstruction Comn. of N. Y. 1st vice-pres. N. Y. State Fed. Farm Bur. Assocs., 2 yrs.; master Orange Co. Pomona Grange, 4 yrs.; 1st pres. Orange Co. Farm Bur., 4 yrs.; mem. exec. com., Orange Co. Farm Bur. Assoc.—*b.* Goshen, N. Y., Oct. 24, 1863; *s.* Peter and Eleanor (Reed) F.; reared on farm; *m.* Kate E. Reynolds, Oct. 24, 1889 (d. 1906); 2d, Eloise Makuen, May 12, 1909; *c.* Eleanor, Edwin Reynolds, Margretta.

Farnsworth, Watson Wales, fruit-grower, Waterville, O.

Pres. O. State Hort. Soc., 2 yrs., sec., 13 yrs.; pres. Lucas Co. Hort. Soc., 11 yrs. Mem. Constitutional Convention of O., 1911-2; mem. Fed. Draft Bd., N. W. Ohio.—*b.* Waterville, O., Nov. 21, 1855; *s.* John Pray and Annis B. (Wales) F.; reared on farm; *m.* Anna B. Norton, June 16, 1881; 2d, Adelaide A. Counter, Oct. 4, 1911; *c.* Frank Norton, Ruth E.

Farr, Chester Carroll, co. agrl. agt., Coquille, Ore.

Teach., Sunnyside high-sch., Wash., 1913-7; distr. agrst., 2 yrs.; co. agrl. agt., Everett, Wash.; agrst. E. A. Mitchel Tractor Co., 1919. *Auth.*: Laboratory Manual in Field Crops.—*b.* Pullman, Wash., Oct. 14, 1890; *s.* Jas. Craven and Alice Gertrude (Heywood) F.; reared on farm; *m.* Iva Haines, June 22, 1913; *c.* Donald Haines, Edythe Maxine. B.S.A., Wash. State Coll., 1913. Gamma Delta.

Farrar, Harry Allen, educ. manag. and instr. for. and farm manag., Essex Co. Agrl. Sch., Hathorne, Mass.

Princ. Beeman Acad., New Haven, Vt., 1910-2; instr. Middlebury Coll., summer 1912; instr. Normal Sch., Castleton, 1912-6; supt. Vergennes distr., 1916-9; present position, 1919–. *Assoc. ed.*, Rural Educator, 1914-6.—*b.* Chester, Vt., Mar. 27, 1886; *s.* Geo. P. and Myrta D. (Fuller) F.; reared on farm; *m.* Beatrice A. Field, June 27, 1916; *c.* Geo. Preston, Francis Putnam, Mary Elizabeth. A.B., Middlebury Coll., 1910; A.M., 1912; M.S., 1915.

Farrell, Francis David, dean agr. and dir. Exp. Sta., Kans. State Agr. Coll., Manhattan, Kans.

Sci. asst., U. S. Dept. Agr., 1907-10; assoc. prof. irrig. and drainage, Univ. Ida., 1910-1; agrst. (irrig.), U. S. Dept. Agr., 1912-8; present position, 1918–. On stock ranch, Wyo., 1898-1900. Mem. Kans. State Council Defense, 1918.—*b.* Utah, Mar. 13, 1883; *s.* Geo. L. and Amanda (Steele) F.; reared on farm; *m.* Mildred Jenson; *c.* Frances. B.S., Utah Agr. Coll., 1907. Alpha Zeta.

Farrington, Edward Holyoke, prof. dairy husb., Univ. Wis., Madison, Wis.

Chem., Conn. Exp. Sta., New Haven, 1882-8; Off. Exp. Stas., U. S. Dept. Agr., 1889-90; chem., Ill. Exp. Sta., 1890-4; present position, 1894–. *Auth.*: (with Woll) Testing Milk and Its Products, 1897; 12 books on dairying for correspondence coll.—*b.* Brewer, Me., Dec. 20, 1860; *s.* Joseph R. and Ellen (Holyoke) F.; reared on farm; *m.* Maud Wyckoff, 1890; 2d, Margaret Tate, 1898; *c.* Isabel. B.S., Univ. Me., 1881; M.S., 1883. Sigma Xi; Alpha Zeta.

Fassett, Frederick H., fruit-grower, Meshoppen, Pa.

Pres. Pa. State Hort. Soc., 1918-9; pres. Wyo. Co. Hort. Soc.—*b.* Scottsville, Pa., June 3, 1858; *s.* Henry W. and Caroline (Jackson) F.; reared on farm; *m.* Lois A. Gay, Aug. 2, 1879; *c.* Henry G., Lewis F., Lloyd E.

Fassig, Oliver Lanard, meteorologist, in chg. W. Indies and Caribbean Serv., U. S. Weather Bur., San Juan, Porto Rico.

Instr. and assoc. in meteorology, Johns Hopkins Univ., 1897-1919. Mem. Bd. Control, Md. State Weather Serv., 1897-1919; mem. Intern. Aerological Comn., 1906-7. Sec. Chicago Meteorological Congress, 1893; sec. and ed., Assoc. Amer. Geographers, 1919. Chief instr., Signal Corps, U. S. Army, College Station, Tex., Apr.-Dec. 1919. Chg. Zeigler Arctic Relief Party to Greenland, 1905. *Auth.*: Climate and Weather of Baltimore. *Ed.*, Bibliography of Meteorology, 4 vols., 1887-96.—*b.* Columbus, O., Apr. 5, 1860; *s.* Mathias and Eliza (Lanard) F.; reared in city; *m.* Anne Green McCoy, Sept. 8, 1898. B.S., Ohio State Univ., 1882;

Univ. Berlin, 1897; Ph.D., Johns Hopkins Univ., 1899. Phi Beta Kappa; Sigma Xi.

Faust, Blanche Walker, home dem. agt., Denmark, S. C.

b. Allendale, S. C., Feb. 8, 1875; *d.* Josiah J. and Martha (Flowers) Walker; reared on farm; *m.* John S. J. Faust, Dec. 21, 1897; *c.* Jno. Bernard, Katharine E., Curtis C., Myra Walker. Stud. Converse Coll., S.C., 1890-2; grad. Winthrop Normal Coll., S.C., 1894.

Faville, Alpheus Davis, prof. an. husb. and dean Coll. Agr. and dir. Exp. Sta., Univ. Wyo., Laramie, Wyo.

Prof. an. husb. and husbandman Exp. Sta., Univ. Wyo. 1908–; present position, 1918–.—*b.* Lake Mills, Wis., 1880; *s.* Stoughton W. and Emma (Myers) F.; reared on farm; *m.* Jean MacGregor Douglas, July 22, 1913. B.S., Lawrence Coll., 1902; M.S., Univ. Wis., 1915. Phi Beta Kappa; Beta Theta Pi; Alpha Zeta.

Fawcett, Clifford J., asst. prof. an. husb., N. H. Coll., Durham, N. H.

Instr. an. husb., N. H. Coll., 1915-8; asst. prof., 1918–; asst. co. agt., Strafford Co., 1918–.—*b.* Chesterhill, O., Jan. 3, 1884; *s.* Jason and Mary E. (Bundy) F.; reared on farm; *m.* Florence H. Steer, 1907; *c.* Clarence A., Edward G., David C., Richard S. B.S.A., Ohio State Univ., 1915.

Fawcett, Howard Samuel, plant path., Univ. Calif., Riverside, Calif.

Asst. bot. and hort., Univ. Fla., 1905-6; asst. plant path., Fla. Exp. Sta., 1906-8; plant path., 1908-12; plant path., State Comn. of Hort., Calif., 1912-3; present position, 1913–. (Citrus diseases).—*b.* Salem, O., Apr. 12, 1877; *s.* Thos. F. and Sidney A. (Bonsall) F.; reared on farm; *m.* T. Helen Tostenson, 1909; *c.* Rosamond A. B.S., Ia. State Coll., 1905; M.S., Univ. Fla., 1908; Ph.D., Johns Hopkins Univ., 1918.

Fay, John Hastings, co. agrl. agt., Middletown, Conn.

Barnes Bros. Nursery Co., Yalesville, Conn., Apr.-Nov., 1906; fruit and poultry farmer, 1906-8; agrl. instr., Smith's Agr. Sch., Northampton, Mass., 1909-10; Northboro Agr. Sch , 1912-3; Essex Co. Agr. Sch., Hathorne, Mass., 1913-5; agt. Middlesex Co., Conn., 1915–.—*b.* Princeton, Mass., Aug. 19, 1880; *s.* Arthur E. and Anna C. (Harthan) F.; reared on farm; *m.* Caroline W. Rogers, Sept. 30, 1914. B.S.A., Ont. Agr. Coll., Toronto Univ., 1912.

Feagin, Mabel Lightner, home dem. agt., Union Springs, Ala.

Teach. music, Farmersville, Tex., 1894; rural teach., Tennille, Ga., 1896-7; Hurtsboro, Ala., 1917.—*b.* Union Springs, Ala., Feb. 7, 1875; *d.* John M. and Laura V. (Paulk) Lightner; reared in town; *m.* Joe D. Feagin, Oct. 26, 1898; *c.* Joel D., Ruth, John, Jeff. Student Prices Coll., Nashville, Tenn., and Vanderbilt Univ.

Fedde, Margaret, chm. home econ. group, Univ. Neb., Lincoln, Neb.

Princ. high-sch., Benson, Neb., 5 yrs. —*b.* Irvington, Neb.; *d.* Christian and Margaret Helen (Glandt) F.; reared on farm. Grad. Peru Normal, 1907; Univ. Neb., 1914. Omicron Nu.

Feldbaum, Max, dir. agr., high-sch., Belt, Mont.

Formerly truck farmer, N. J.; manag. certified dairy farm, Ill.; dairy manufacturing specialist, Armour and Co. Sec. Assoc. Agrl. Teach. of N. D.; co. club leader, Cascade Co., Mont. Insp. navy butter, U. S. Dept. Agr.—*b.* Russia, July 13, 1895 (naturalized 1916); *s.* Lewis F. and Rebecca (Helfant) F.; reared on farm. B.S., Cornell Univ., 1918.

Feldkamp, Cora Lucinda, library asst., Off. Farm Manag., U. S. Dept. Agr., Washington, D. C.

Asst. librarian, Mich. Agr. Coll., 1905-8. (Bibliographical work in cost of crop production).—*b.* Ann Arbor, Mich., Oct. 30, 1881; *d.* Henry B. and Elizabeth (Bissinger) F.; reared on farm. B.S., Mich. Agr. Coll., 1905.

Felker, Andrew Llewellyn, farmer and comnr. agr., State House, Concord, N. H.

Lect., N. H. State Grange, 4 yrs.; comnr. agr., 1913–. Mem. exec. com., Nat. Assoc. Comnrs. Agr.—*b.* N. Barrington, N. H., July 6, 1869; *s.* Andrew J. and Lydia A. (Seavey) F.

Felt, Ephraim Porter, state ent., N. Y. State Museum, Albany, N. Y.

Teach. nat. sci., Clinton Liberal Inst., Fort Plain, N. Y., 1893-5; present position, 1895–. Pres. Amer. Assoc. Econ. Ent., 1902. Traveled in Europe, 1909. Ent. ed., Country Gentleman, 1898-1911; ed. Journal Economic Entomology, 1908–.—*b* Salem, Mass., Jan. 7, 1868; *s.* Chas. W. and Martha S. (Ropes) F.; reared on farm; *m.* Helen M. Otterson, June 24, 1896; *c.* Margaret, Ernest Porter, Helen, Elizabeth. B.Sc., Mass. Agr. Coll. and Boston Univ., 1891; D.Sc., Cornell Univ., 1894. Sigma Xi; Alpha Sigma Phi.

Felton, Ralph Almon, educ. sec. in rural dept., Methodist Bd. Home Missions and Church Ext., 1701 Arch St., Philadelphia, Pa.

Teach. rural sch., 1 yr.; high-sch., 1 yr.; Syrian Protestant Coll., Beirut, Syria, 3 yrs. Traveled in the Orient. *Auth.:* A Study of a Rural Parish, 1915; The Epworth League in Rural Community Service, 1919. (Conducting schools for rural pastors).—*b.* Arkansas City, Kans., July 26, 1882; *s.* Marshall A. and Isabelle (Nichols) F.; reared on farm; *m.* Mary Blanche Shimer, Aug. 19, 1914; *c.* Mary Shimer, Ralph A. Jr. Ph.B., Southwestern Coll., Winfield, Kans., 1905; M.A., Columbia Univ., 1912.

Felts, Rufus Henry, asst. co. agt. leader, Colo. Agr. Coll., Ft. Collins, Colo.

Farmer, Tenn., 1912-3; princ. high-sch., Pinson, Tenn., 1913-5; co. agrl. agt., Franklin Co., Ky., 1915-7; manag. Dixie Ranch, Weld Co., Colo., 1917; princ. high-sch., Telluride, Colo., 1917-8; co. agrl. agt., Pueblo Co., Colo., 1918; present position, 1919–.—*b.* Springfield, Tenn., Sept. 13, 1889; *s.* Rufus Henry and Lucy (Williams) F.; reared on farm; *m.* Letta McNabb, Nov. 24, 1914; *c.* Lillian Josephine. B.S.A., Univ. Tenn., 1912. Alpha Tau Omega; Phi Kappa Phi; Alpha Zeta.

Fenton, Frederick Charles, asst. prof. agrl. engin., Ia. State Coll., Ames, Ia.

Formerly asst. prof. agrl. engin., Univ. Mo. 1st. Lieut., Coast Artillery, U. S. Army, 1918-9; served with A. E. F. —*b.* Black Hawk Co., Ia., June 30, 1891; *s.* August C. and Jennie (Craig) F.; reared on farm. B.S., Ia. State Coll., 1914. Alpha Zeta; Delta Sigma Rho; Theta Delta Chi.

Ferguson, Alexander McGowen, pres. Ferguson Seed Farms and Ferguson Pub. Co., Sherman, Tex.

Assoc. prof. hort. and mycology, Tex. A. & M. Coll., 1899-1900; instr. bot., Univ. Tex., 1900-6; special agt., U. S. Dept. Agr., 1905; special lect., Okla. A. & M. Coll., 1907-9. Fellow A. A. A. S., Tex. Acad. Sci. Sec. Tex. Corn Growers Assoc., 1907-9, pres., 1910-1; pres. Tex. Crop Improvement Assoc., 1916-7. Served in Spanish-Amer. War. *Auth.:* Elementary Principles of Agriculture, 1908.—*b.* Belton, Tex., Jan. 7, 1874; *s.* Jas. E. and Fanny (Fitzpatrick) F.; reared on farm; *m.* Hallie Henderson, June 3, 1903; *c.* Katherin, Rachel, Jas., Alex, Tom. B.S.A., Tex. A. & M. Coll., 1893; M.Sc., 1894; student Mo. Bot. Gard., St. Louis, 1907-9, and Cornell Univ.

Ferguson, John Arden, prof. for., Penn. State Coll., State College, Pa.

Instr. for., Penn. State Coll., 1908-11; prof. for., Univ. Mo., 1911-3; present position, 1913–. Fellow A. A. A. S.—*b.* Canandaigua, N. Y., Dec. 23, 1873; *s.* Harrison B. and Ella (Wader) F.; reared in town; *m.* Susan Kathryn Becker, Sept. 14, 1911 (d. 1915); *c.* Eleanor, John Becker. A.B., Hamilton Coll., 1896; A.M., 1902; M.F., Yale For. Sch., 1908. Chi Psi.

Ferguson, John Bohn, minister, Hopewell Manse, Franklin, Ind.

Pastor, Lima, Ind., 1908-13; Franklin, 1913–. Y. M. C. A. sec., 1917-9; served in France, 1918-9. *Auth.:* Thru the War with a Y. Man, 1920. (Country church).—*b.* Camden, O., June 10, 1879; *s.* Jas. S. and Sarah R. (Bohn) F.; reared in town; *m.* Margaret Williams, June 26, 1907; *c.* Jas. Williams, Rosemary, Robt. McGregor, Alfred Riggs. A.B., Miami Univ., 1903; A.M., Princeton Univ., 1907; B.D., McCormich Theol., 1908. Phi Beta Kappa.

Fernald, Henry Torsey, prof. ent. and ent. Exp. Sta., Mass. Agr. Coll., Amherst, Mass.

Prof. zool., Penn. State Coll., 1890-9; state zool., Pa., 1898-9; prof. ent.,

Mass. Agr. Coll., 1899–; chm. Sch. Sci., 1913–; ent., Exp. Sta., 1910–; state nursery insp., Mass., 1902-18. Fellow A. A. A. S. (Econ. ent., Sphecidae).—*b.* Litchfield, Me., Apr. 17, 1866; *s.* Chas. Henry and Maria Elizabeth (Smith) F.; *m.* Minna R. Simon, June 9, 1890. B.S., Univ. Me., 1885; M.S., 1888; Ph.D., Johns Hopkins Univ., 1890.

Ferrin, Evan Fisher, assoc. prof. an. husb., Kans. State Agr. Coll., Manhattan, Kans.

Instr. an. husb., Ia. State Coll., 1911; instr. an. husb., Tex. A. & M. Coll., 1912; asst. prof. an. husb., Ia. State Coll., 1912; assoc. prof., 1913-9; present position, 1919–. (Swine production). —*b.* Cherokee Co., Ia., Feb. 9, 1888; *s.* Joseph L. and Elizabeth (Fisher) F.; reared on farm; *m.* Stella Drennan, June 22, 1912; *c.* Harold Evan. B.S., Ia. State Coll., 1911. Alpha Zeta; Delta Sigma Rho.

Ferris, Esther Annette, home dem. agt., Moorhead, Minn.

Head home econ. dept., high-sch., Crookston, Minn., 1912-8.—*b.* Lincoln, Neb., July 17, 1892; *d.* Mary (Walton) F.; reared in town. Student Stout Inst., 1910-2; Columbia Univ., summer 1916.

Ferris, Mary Helen, distr. home dem. agt., 301 E. Franklin St., Richmond, Va.

b. Fountain Green, Ill., Sept. 25, 1879; *d.* L. F. and Helen M. (Gilchrist) F.; reared on farm. Grad. Cincinnati Univ., 1914.

Ferriss, Emery Nelson, acting asst. prof. rural educ., Cornell Univ., Ithaca, N. Y.

Princ. high-sch., Pocatello, Ida., 1906-7, 1908-11; instr. Broadway High-Sch., Seattle, Wash., 1912-6; asst. prof. educ., Univ. Okla., 1917-9; assoc. prof., 1919–. —*b.* Toledo, Ia., July 17, 1882; *s.* Oscar M. and Emma (Bidwell) F.; reared on farm; *m.* Bessie Reed, Aug. 26, 1908; *c.* Dorothy, Donald. Ph.B., Leander Clark Coll., 1904; M.A., Univ. Ia., 1905; Ph.D., 1908; Univ. Chicago, 1911; Teachers Coll., Columbia Univ., 1916-7.

Fessenden, Stephen De Blois, field agt., U. S. Bur. Crop Estimates, and in chg. Div. Agrl. Statistics, Ill. Dept. Agr., Springfield, Ill.

Sect. chief, Div. Agr., 10th Census, 1880-3; examiner, U. S. Pension office, 1884-7; statistical expert and chg. compilation of labor laws, U. S. Dept. Labor, 1887-97; asst. chief Bur. Statistics, U. S. Dept. Agr., 1897-1905; present position, 1905–. (Agrl. statistics and labor legislation).—*b.* Auburn, Me., May 29, 1856; *s.* Thos. Amory De Blois and Elizabeth Rollins (Titcomb) F.; reared in town; *m.* Lucile Josephine Dandelet, June 14, 1883; *c.* Carolyn Elizabeth, Thos. Amory De Blois. A.B., Bowdoin Coll., Me., 1878; LL.B., Geo. Washington Univ., 1889; LL.M., 1890. Alpha Delta Phi,

Fetterolf, Howard C., state superv. agrl. educ., 22 Union Trust Bldg., Harrisburg, Pa.

Farm operator, 1914–.—*b.* Mifflinville, Pa., Aug. 16, 1887; *s.* P. A. and Isabelle (Williamson) F.; reared on farm; *m.* Julia A. Lillibridge, Aug. 12, 1914. Student Penn. State Coll.

Field, Albert Martin, asst. prof. agrl. educ., Univ. Minn., University Farm, St. Paul, Minn.

Teach. rural schs., 1 yr.; princ. graded sch., 4 yrs.; high-sch., 3 yrs.; instr. agr., high-sch., 4 yrs.; instr., Univ. high-sch., Univ. Wis., 2 yrs.; present position, 1917–.—*b.* Mt. Horeb, Wis., Sept. 25, 1879; *s.* Arne and Annie (Gesme) F.; reared on farm; *m.* Ruby Schraudenbach, 1904; *c.* Mildred, Rodney, Harry. B.S., Univ. Wis., 1916; M.S., 1917. Phi Delta Kappa.

Fieldner, Carl G., co. agrl. agt., Bryan, O.

Farm manag., 1912-7–.—*b.* Ney, O., Apr. 21, 1889; *s* Chas. and Ellen (Giuther) F.; reared on farm; *m.* Huldah Christman, Dec. 17, 1914; *c.* Elizabeth Jane. B.S.A., Ohio State Univ., 1912. Delta Theta Sigma.

Fields, John, ed. Oklahoma Farmer, Skirvin Hotel, Oklahoma City, Okla.

Asst. chem., Penn. Exp. Sta., 1891-4; asst. chem., Okla. Exp. Sta., 1896-9; dir. and chem., 1899-1906. Del. Republican Nat. Convention, 1916; Republican candidate for governor Okla., 1914. *Auth.:* Sure Feed Crops, 1912. *Ed.*, Oklahoma Farm Journal, 1901-15; Oklahoma Farmer, 1915–.—*b.* near Davenport, Ia., July 29, 1871; *s.* David T. and Sarah (Mosser) F.; reared on farm;

m. Caro Chamberlain Emerson, July 14, 1900. B.S., Penn. State Coll., 1891. Phi Kappa Phi.

Fields, Walter Samuel, path. insp., Off. Foreign Plant Quarantines, Fed. Hort. Bd., Washington, D. C.
Instr. plant path., Univ. Ark., 1913-6; asst. prof., 1916-8; asst. state plant path., Ark. Exp. Sta., 1913-8; ext. path. for Miss., U. S. Dept. Agr., 1918-9; present position, 1919-.—*b.* Buffalo, N. Y., July 22, 1886; *s.* Samuel J. and Charlotte Elizabeth (Kellogg) F.; reared in city; *m.* Grace A. MacClelland, Nov. 28, 1918. B.S., Mich. Agr. Coll., 1913. Alpha Zeta.

Filley, H. Clyde, prof. rural econ., Univ. Neb., Lincoln, Neb.
Supt. public schs., Bancroft, Neb., 1903-6; Albion, 1906-9; instr. farm manag., Univ. Neb., 1911-2; asst. prof., 1912-4; prof. and head dept. rural econ., 1914-. Farm operator, 1906-11. Rep. Gage Co., Neb. Legislature, 1911. (Co-op. marketing).—*b.* near Filley, Neb., Dec. 27, 1878; *s.* Elmore C. and Annette (Foster) F.; reared on farm; *m.* Creta Warner, Oct. 11, 1911; *c.* Vernon W., Marjorie, Edith. A.B., Univ. Neb., 1903; A.M., 1911.

Filson, James Edwin, land titles, First Nat. Bank Bldg., Champaign, Ill.
Sec. Ill. Abstracters Assoc., 1913-8; vice-pres., 1919-20. Lect. *Auth.:* Fil's Filosophy on Land Titles.—*b.* Caldwell Co., Mo., Oct. 28, 1883; *s.* Thos. A. and Zelma (Adams) F.; reared in town; *m.* Lena Will, Dec. 26, 1906; *c.* Kathleen Louise, James Hugh, Beth, Jean. LL.B., Univ. Ill., 1907.

Findlay, Hugh, lect. hort., Columbia Univ., New York, N. Y.
Prof. hort. and agrl. bot., N. Y. State Sch. Agr., Morrisville, 1910-4; prof. hort., Syracuse Univ., 1914-8; dir. agr., Nat. Serv. Sch., Washington, 1918 (short course); asst. in visual instr., U. S. Dept. Agr., 1918-9; present position, 1919-. Organizer and insp. camp farms, O. Q. M. G. U. S. Army, 1918; field lect. hort., A. E. F., Beaune, France. Practical gard. and nurseryman, 11 yrs. *Auth.:* House Plants, Their Care and Culture, 1916; Practical Gardening, 1918. *Ed.*, The Hand Book for Practical Farmers, 1920.—*b.* Scotland, Sept. 28, 1879 (immigrated 1881); *s.* Francis and Christina (Morton) F.; reared in town; *m.* Mabel L. Chase, July 5, 1916. B.S.A., Syracuse Univ.; studied Clark Coll. and Cornell Univ. Lambda Chi Alpha.

Fink, David Ely, ent. asst. truck crop insect invests., Bur. Ent., U. S. Dept. Agr., Riverton, N. J.
b. Russia, Nov. 28, 1881; *s.* Wm. F.; reared in city and country. B.S.A., Cornell Univ., 1911; M.S.A., 1913.

Finley, John Ford, co. agrl. agt., Grangeville, Ida.
Teach. agr., Nebo high-sch., 2 yrs. (Smut control, rodent pest extermination).—*b.* Springville, Utah, Dec. 14, 1892; *s.* A. W. and Mary (Chase) F.; reared on farm. B.S.A., Utah Agr. Coll., 1915. Sigma Alpha.

Finley, Joseph Orton, farmer and stockman, Oneida, Ill.
b. Oneida, Ill., Dec. 18, 1874; *s.* J. Alex. and Mary E. (Cox) F.; reared on farm; *m.* Annie Stanley Fox, Dec. 27, 1904; *c.* Mary, Charlotte, Sara, Elizabeth, Ann Josephine. B.S., Univ. Ill., 1917. Alpha Zeta.

Finn, Roscoe Alexander, agrl. rep., Box 663, London, Ont.
Field agt., Ont. Dept. Educ., 1913-4; agrl. rep. Middlesex Co., 1915-.—*b.* Fletcher, Ont., Nov. 21, 1890; *s.* Wm. and Mary (Casey) F.; reared on farm; *m.* Mary Hanlon, Aug. 2, 1916; *c.* Joseph P., Roscoe J. B.S.A., Toronto Univ., 1915.

Finneran, John L., teach. voc. agr., high-sch., Frederica, Del.
b. N. White Lake, N. Y., Dec. 27, 1892; *s.* John and Mary (Dillon) F.; reared on farm. B.S., Cornell Univ., 1918.

Fippin, Elmer Otterbein, manag. agrl. dept., Nat. Lime Assoc., Washington, D. C.
Asst. Bur. Plant Ind., U. S. Dept. Agr., 1900-1; asst. Bur. Soils, Dept. Agr., 1901-5; asst. prof. soil tech., Cornell Univ., 1905-8; prof., 1908-19. First pres. N. Y. State Drainage Assoc.; hon. vice-pres. Nat. Drainage Congress for N. Y., 1914-8. Mem. Bd. Visitors,

Ohio State Univ., 1917-22. Farm operator. Organized (1916) and 3 yrs. pres. Tompkins Co. Farmers Co. Inc. *Auth.:* (with Lyon) Principles of Soil Management, 1909; (with Lyon and Buckman) Soils, Their Properties and Management 1915.—*b.* Columbus, O., Sept. 18, 1879; *s.* John and Sidney Anne (Holt) F.; reared on farm; *m.* Florence Ellen Postle, Nov. 21, 1901; *c.* Walter Russell, Wm. Howard, Jas. Elmer, Julia Anne. B.S.A., Ohio State Univ., 1900; grad. student Cornell Univ., 1904-5. Fellow A. A. A. S. Alpha Zeta.

Firor, Guy Wisotzkey, superv. ext. schs., Univ. Ga., Athens, Ga.

Instr. hort., Md. Agr. Coll., 1907-8; present position, 1910–. Chg. farmers insts., ext. schs. and fair exhibits.—*b.* Thurmont, Md., May 7, 1886; *s.* Wm. Leonard and Anne Catharine (Wisotzkey) F.; reared on farm; *m.* Helen May Williar, Nov. 17, 1910; *c.* Sarah Elizabeth, Helen Dorothy, Guy Wisotzkey Jr. B.S., Md. Agr. Coll., 1907; M.S.A., 1908.

Firor, John William, manag. Planters Products Co., Montezuma, Ga.

Instr. and commandant of cadets, Bethel Military Acad., Warrentown, Va., 1908-10; asst. hort., W. Va. Exp. Sta., 1911-2; jr. prof. hort., Univ. Ga., 1912-7; present position, 1919–. *Ed.*, orchard and garden dept., Southern Fruit Grower. 1st Lieut., 336 Field Artillery, U. S. Army, 1917-9. (Hort.).—*b.* Thurmont, Md., Sept. 23, 1887; *s.* Wm. L. and Anne Catharine (Wisotzkey) F.; reared on farm. B.S., Md. Agr. Coll., 1908.

Fish, Don E., co. agrl. agt. and asst. state leader, Mt. Pleasant, Ia.

Instr. sci. and agr., Beaverhead Co. high-sch., Dillon, Mont.—*b.* Adel, Ia., Apr. 22, 1880; *s.* J. S. and Mary J. (Couch) F.; reared on farm; *m.* Belle Osborn, June 1, 1909; *c.* Donald, Doris, Chas., Jas., Harriet. B.S.A., Ia. State Coll., 1906. Alpha Zeta.

Fishburne, Harry Proctor, assoc. prof. agrl. chem., Univ. Ida., Moscow, Ida.

Asst. chem., Penn. Exp. Sta., 1907-9; asst. chem., Ida. Exp. Sta., 1909-11; asst. prof. agrl. chem., Univ. Ida., 1911-6; assoc. prof., 1916–.—*b.* Roanoke, Va., May 4, 1882; *s.* Jas. Addison and Mary Louise (Boone) F.; reared in city; *m.* Frances Amanda Butterfield, Dec. 26. 1912; *c.* John Tipton, Jas. Butterfield, B.A., Univ. Va., 1904; M.A., 1907.

Fisher, Durward Frederick, path. fruit disease invests., Bur. Plant Ind., U. S. Dept. Agr. Wenatchee, Wash.

b. Clarence, N. Y., Aug. 17, 1888; reared on farm; *m.* Alida Antoinette Dearborn, Mar. 31, 1914; *c.* Durward F. Jr., Ida Antoinette. B.S., Mich. Agr. Coll., 1912; M.Hort., 1917. Alpha Zeta.

Fisher, John Welton Jr., econ. in commercial research dept., Swift & Co. Union Stock Yards, Chicago, Ill.

Invest., Bur. Markets, U. S. Dept. Agr., 1914-8; present position, 1919–.—*b.* Milwaukee, Wis., Feb. 13, 1889; *s.* John Welton and Emma Jane (McKnight) F.; reared in city; *m.* Jeane Avery, Sept. 12, 1914; *c.* Jeane Avery, Dorothy. A.B., Williams Coll., 1911; M.S., Mich. Agr. Coll., 1914. Phi Delta Theta.

Fisher, Martin Luther, prof. agron. in chg. dept. and asst. chief soils and crops, Purdue Univ., LaFayette, Ind.

Auth.: (with Cotton) Agriculture for Common Schools.—*b.* near Murray, Ind., Oct. 24, 1871; *s.* Samuel and Margaret Jane (Crawford) F.; reared on farm; *m.* Mary Ellen Fishbaugh, May 26, 1894; *c.* Beatrice Louise, Barbara Catherine. B.S.A., Purdue Univ., 1903; M.S., Univ. Wis., 1911. Alpha Zeta; Sigma Pi.

Fisher, Ora Stanley, agrst., Ext. Off. North and West, States Relations Serv., U. S. Dept. Agr., Washington, D. C.

Asst. agron., Univ. Ill., 1908-12; asst. prof., 1912-5; present position, 1915–. (Soils and organization work).—*b.* Washburn, Ill., Sept. 1, 1878; *s.* O. M. and Sarah F.; reared on farm; *m.* Elsie M. Taylor, June 4, 1910; *c.* John Taylor, Doris. B.S., Univ. Ill. Alpha Zeta.

Fisk, Walter W., asst. prof. dairy ind., Cornell Univ., Ithaca, N. Y.

Auth.: (with Thom) Book of Cheese, 1918; Book of Ice-Cream, 1919.—*b.* Oswego Center, N. Y., Jan. 1, 1888; *s.* Chas. A. and Effie M. (Warner) F.;

reared on farm; *m.* Susan M. Edwards, Apr. 10, 1912. B.S.A., Cornell Univ., 1910; M.S.A.

Fiske, George Burnap, market invest., Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Agrl. ed., Mass. Ploughman, 1894-8; asst. ed., Farm and Home, New England Homestead, 1898-1903; ed. American Cultivator, 1903-15; editorial correspondent, Rural New-Yorker, 1915-7. *Auth.:* Poultry Feeding and Fattening, 1896; (co-author) Rhubarb Culture, 1900; Prize Gardening, 1900; Frank of Peach Hill, 1915. Traveled in Europe, 1901. Pres. New England For. Products Co., 1904-14.—*b.* Holliston, Mass., Feb. 1, 1868; *s.* Francis F. and Ellen L. Burnap) F.; reared on farm; *m.* Ida Amelia Leonard, Nov. 9, 1902. A.B., Boston Univ., 1890. Delta Tau Delta.

Fiske, George Walter, jr. dean, Grad. Sch. Theol., Oberlin Coll., Oberlin, O.

Ordained Congregational ministry, 1898; pastor, Huntington, Mass., 1898-1900; S. Hadley Falls, Mass., 1900-3; High St. Church, Auburn, Me., 1903-7; prof. practical theol. and religious educ., Oberlin Coll., 1907–; present position, 1908–. Pingree Lectureship, Boston Univ., 1918. *Auth.:* Boy Life and Self Government, 1910; The Challenge of the Country, 1912; Finding the Comrade God, 1918; co-author other books. Contributor religious and sociol. magazines and writer religious educ. texts for Pilgrim Press. (Religious educ. and rural life).—*b.* Holliston, Mass., June 3, 1872; *s.* Geo. Batchelder and Ada M. (Perry) F.; reared in town; *m.* Alice M. Stewart, Aug. 1, 1898; *c.* Margaret Stewart. A.B., Amherst Coll., 1895; A.M., 1898; B.D., Hartford Theol. Sem., 1898; Ph.D., Boston Univ., 1919. Phi. Beta Kappa; Phi Delta Theta.

Fitch, C. L., ext. assoc. prof. truck-gard., Ia. State Coll., Ames, Ia.

Dairy farmer and creamery supt., 1893-1903; potato and sugar-beet grower, Greeley, Colo., 1903-9; potato specialist, Colo. Exp. Sta., 1909-13; ext. veg. specialist, Ia. State Coll., 1913–. Mem. Educ. Corps A. E. F.,; instr. in veg. at Allerey; studied veg. production, England, France, Italy and Germany. *Auth.:* Some Women of France. (Potatoes).—*b.* Chas. City, Ia., Mar. 29, 1873; *s.* L. P. and Martha (Baker) F.; reared in town and on farm; *m.* Blanch Messinger, Sept. 1, 1900; *c.* Harvey C., Naomi O. M.A., Grinnell Coll., 1913.

Fitch, Clifford Penny, chief Div. Vet. Med., Univ. Minn., University Farm, St. Paul, Minn.

Prof. bact., Cornell Univ., 1911-7; present position, 1917–. *Auth.:* Manual of Bacteriology, 1915.—*b.* Sauquoit, N. Y., July 1, 1884; *s.* Menzo and Cora L. (Penny) F.; reared on farm; *m.* Florence Lilly Adams, July 15, 1911; *c.* Alva Farnham, Jas. Adams. B.S., Hamilton Coll., 1906; M.S., 1909; D.V.M., Cornell Univ., 1911. Phi Beta Kappa; Sigma Xi; Alpha Gamma Rho.

Fitch, James Burgess, prof. dairy husb. in chg. dept., Kans. State Agr. Coll., Manhattan, Kans.

Asst. dairying, Kans. State Agr. Coll., 1910-1; instr., 1911-2; asst. prof., 1912-4; assoc. prof., 1914-8; prof., 1918–. Sec.-treas. Kans. State Dairy Assoc.—*b.* near Huntertown, Ind., June 26, 1888; *s.* D. N. and Emma (Belle) F.; reared on farm and in town; *m.* Alice Rakestraw, Dec. 26, 1912; *c.* Wm. David, Marjory Jane. B.S., Purdue Univ., 1910. Sigma Xi; Phi Kappa Phi; Alpha Zeta; Alpha Gamma Rho; Gamma Sigma Delta.

Fitts, Edward Blodgett, assoc. prof. dairy husb., Ore. Agr. Coll., Corvallis, Ore.

With La. State Univ., 1895-6; Conn. Agr. Coll., 1907-13; present position, 1913–. Farm manag., Conn. and N. Y., 10 yrs.—*b.* E. Windsor, Conn., Jan. 11, 1871; *s.* John F. and Mary Isabel (Osborn) F.; reared on farm; *m.* Anna M. Snow, Mar. 9, 1895; *c.* Grace Elizabeth. Grad., Conn. Agr. Coll., 1893.

Fitts, George Rowley, farmer, McLean, N. Y.

State Fair comnr; pres. Tompkins Co. Farm Bur., 3 yrs.; pres. Tompkins Co. Dairymens League. Chm. Democratic Co. Com.; dir. First Nat. Bank, Groton.—*b.* McLean, N. Y. Oct. 6, 1888; *s.* Jerome C. and Lena E. (Hart) F.; reared on farm; *m.* Leona M. Backus, June 6, 1912; *c.* Morris Calvert, Lucile Marcia.

Fitzgerald, Nugent E., prof. agrl. educ., Univ. Tenn., Knoxville, Tenn.

Teach. rural sch., Union, Mo., 1909-10; princ. high-sch., Potosi, 1912-3; asst. bact., Univ. Mo., 1914-5; instr. agrl. educ., Univ. Tex., 1915-8; assoc. prof. agrl. educ., Tex. A. & M. Coll., 1918-9; present position, 1919-. 2d Lieut. Field Art., U. S. Army, 7 mos.—*b.* Shotwell, Mo., Apr. 18, 1891; *s.* Wm. Pierce and Lizzie E. (Henneke) F.; reared on farm. B.Ped., Mo. State Normal, 1912; B.S., Univ. Mo., 1915; B.S.A., 1917. Phi Delta Kappa; Kappa Delta Phi.

Fitzpatrick, Harry Morton, asst. prof. plant path., Cornell Univ., Ithaca, N.Y.

b. Greenwood, Ind., June 27, 1886; *s.* Jas. E. and Addie R. (Watson) F.; reared in town; *m.* Florence C. Fenner, Sept. 15, 1913; *c.* Hugh F. A.B., Cornell Univ., 1909; Ph.D., 1913. Sigma Xi.

Fitzpatrick, Walter Winston, prof. dairying and dairyman Exp. Sta., Clemson Agr. Coll., Clemson College, S. C.

Asst. dairy agt., Southern Ry., 1913-4; chg. dairy ext., Clemson Agr. Coll. and U. S. Dept. Agr., 1914-7; present position, 1917-.—*b.* Somerset, Ky., Jan. 17, 1890; *s.* Geo. W. and Ohio Rhoda (Maddrell) F.; reared on farm; *m.* Sue Dorothy Matthews, Mar. 23, 1915; *c.* Dorothy Lamont. B.S.A., Univ. Ky., 1913. Alpha Zeta.

Fjeldsted, Ezra J., field an. husb., Ore. Agr. Coll., Corvallis, Ore.

Field an. husb., Univ. Ida., 1915-7; Ore. Agr. Coll., 1917-.—*b.* Logan, Utah, Apr. 28, 1889; *s.* Willard Samuel and Sarah C. (Hanson) F.; reared on farm; *m.* Pauline Field, Oct. 10, 1917; *c.* Dewitton E. B.S., Univ. Ida., 1915.

Flake, Osmer Dennis, farmer and stockman, Snowflake, Ariz.

Pres. Navajo Co. Farm Bur., 4 yrs.; mem. Ariz. Legislature, 2 yrs.; 1st chm., Council Defense.—*b.* Beaver, Utah, Mar. 6, 1868; *s.* Wm. Jurden and Lucy (White) F.; reared on farm and ranch; *m.* Elsie Owens, Mar. 11, 1891; 2d, Ethel Ray; *c.* Ada, Luie, Geo., Grace, Lester, Horace, Veoma, Ross. Student Brigham Young Univ.

Flanders, George Lovell, counsel N. Y. State Div. Agr., N. Chatham, N. Y.

Princ. Madrid (N. Y.) Union Schs., 2 yrs. Asst. comnr., Dept. Agr., 28 yrs.; counsel, 6 yrs. Pres. Nat. Dairy Union, 5 yrs.; pres. Farmers Nat. Congress, 2 yrs.; pres. Nat. Assoc. Dairy and Food Comnrs., 2 yrs.—*b.* Parishville, N. Y., Feb. 29, 1856; *s.* Arthur and Mary (Lovell) F.; reared in village; *m.* Catherine S. Keller, Apr. 25, 1885, *c.* Lillian Lovell, Marian Southwick. LL.B., Albany Law Sch. Delta Upsilon.

Flanery, Charles Clarence, live-stock specialist, Univ. Tenn., Knoxville, Tenn.

Co. agrl. agt. Franklin Co., Tenn., 1915-9; instr. agr., high-sch., 1915-8.—*b.* Major, Ky., Apr. 10, 1888; *s.* Thos. Jefferson and Lucy (Searey) F.; reared on farm. B.S.A., Univ. Tenn., 1915; grad. student, Univ. Ill., 1919-20. Sigma Chi.

Flanery, William L., co. agrl. agt., Fredericktown, Mo.

Asst. hort., Berea Coll., 1901-6; supt. gardens and grounds, 1907-8; asst. arboriculture, U. S. Dept. Agr., 1908-11; supt. instr. in agr., Berea Coll., 1911-5; present position, 1917-.—*b.* Owsley Co., Ky., July 8, 1876; *s.* L. K. and T. J. F.; reared on farm; *m.* Eva Click, Jan. 15, 1905; *c.* M. A., Joseph E., Elizabeth, Katheryn. Grad. Berea Coll., 1911; student Univ. Wis., 1906; Univ. Tenn., 1910. Alpha Zeta.

Flansburgh, Earl Alvah, co. agrl. agt., Mt. Morris, N. Y.

Teach. rural sch., 1 yr.; Castle high-sch., 2 yrs.; co. agt., Rochester, N. Y., 1917-8.—*b.* N. Easton, N. Y., Sept. 6, 1891; *s.* Aaron and Elizabeth (Thompson) F.; reared on farm. B.S., Cornell Univ., 1915. Kappa Delta Rho.

Fleming, William Melvin, distr. rep. and distr. superv. agrl. instr., Box 235, Duncan, B. C.

Asst. field husb., Univ. Alta., May-Dec. 1919.—*b.* London, Ont., Nov. 18, 1887; *s.* Wm. Herdman and Anna Amelia (Odell) F.; reared on farm. B.S.A., Univ. Alta., 1919.

Fletcher, Ernest Franklin, co. agrl. agt., Trenton, N. C.

Teach. public schs., La., 6 yrs.; farmer, La., 3 yrs.—*b.* Montgomery, La., Dec. 8, 1889; *s.* John F. and Callie P. (Killingsworth) F.; reared on farm; *m.* Myra L. Till, June 7, 1916; *c.* J. V. B.S., La. Ind. Inst.

Fletcher, Stevenson W., prof. hort., Penn. State Coll., State College, Pa.

Prof. hort., Wash. State Coll., 1900-2; prof. hort., W. Va. Univ., 1902-3; asst. prof. ext. teach. in agr., Cornell Univ., 1903-5; prof. hort., Mich. Agr. Coll., 1905-8; dir. Va. Exp. Sta., 1908-15; present position, 1916–. Orchardist, Va., 1908-15; in Pa., 1915–. *Auth.:* How to Make a Fruit Garden, 1906; Soils, 1907; Strawberry-Growing, 1917; The Strawberry in North America, 1917. (Pom.). —*b.* Littleton, Mass., Sept. 10, 1875; *s.* Chas. K. and Anna (Holton) F.; reared on farm; *m.* Edith Augusta Wallace, June 1901 (d. 1902); 2d, Margaret Rolston, June 1906; *c.* Robt., Richard, Stevenson, Peter, John, Margaret. B.S., Mass. Agr. Coll., 1896; M.S.A., Cornell Univ., 1898; Ph.D., 1900. Alpha Zeta; Phi Kappa Phi.

Fletcher, William Percy, minister, rural supt. Ont. Religious Educ. Council, 299 Queen St. W., Toronto, Ont.

Lect., Intern. Summer Training Sch., Lake Geneva, Wis.—*b.* Ont. Co., Ont., Dec. 8, 1871; *s.* Wm. H. and Jane (Morris) F.; reared on farm; *m.* Gertrude Gadsby, Mar. 1, 1900; *c.* Llewellyn C., Ida Pearl, Wm. G., Percy G., Geo. A B.A., Queen's Univ., Ont., 1896.

Flint, Edward Rawson, administrative and sci. asst., States Relations Serv., U. S. Dept. Agr., Washington, D. C.

Asst. chem., Mass. Exp. Sta., 1887-90; commercial chem., 1892-3; asst. prof. chem., Mass. Agr. Coll., 1893-8; practiced med., 1903; acting asst. surg., Public Health Serv., Cienfuegos, Cuba, 1904; prof. chem. and chem. Exp. Sta., Univ. Fla., 1904-5; prof. chem., Univ. Fla., 1905-17; physician Ancon Hospital, Panama, summers, 1907-9; physician Red Star S. S. Line, N. Y. and Venezuela, 2 summers; present position, 1917–.—*b.* Boston, Mass., Sept. 8, 1864; *s.* Chas. L. and Ellen Elizabeth (Leland) F.; reared in city; *m.* Maude A. Hatch, Nov. 25, 1885; *c.* Chas. L., Elizabeth M., Dorothy C., Priscilla R., Edward R., Esther A. B.S., Mass. Agr. Coll., 1887; Ph.D., Univ. Goettingen, 1892; M.D., Harvard Med., 1902; LL.D., Univ. Fla., 1919. Phi Kappa Phi.

Flint, Victor W., co. agrl. agt., Allison, Ia.

Formerly princ. high-sch., Gold Hill, Ore.; fruit-grower, Ashland, Ore., 2 yrs.; co. agt., Butler Co., 1918–.—*b.* Nashua, Ia., Mar. 22, 1891; *s.* Edwin Waldo and Lizzie (Waterbury) F.; reared on farm; *m.* Grace Milan, 1916; *c.* Vernon Reis, Alvin Edwin. B.S., Ia. State Coll., 1912.

Flood, E. E., banker and stockman, Spokane, Wash.

Vice-pres. and dir. Exchange Nat. Bank, Spokane; pres. Citizens State Bank, Leavenworth, Wash.; vice-pres. and dir. Spokane Valley State Bank; dir. State Bank of Wisdom, Wisdom, Mont.; dir. First Nat. Bank, Ephrata, Wash.; dir. Olympia Nat. Bank, Wash. Mem. Adv. Bd., U. S. Dept. Agr. Dairy farmer and cattle breeder.—*b.* Chicopee, Me., July 11, 1881; *s.* Allen Henry and Elizabeth (Brackett) F.; reared on farm; *m.* Pebble May Fisk, June 28, 1904; *c.* David J., Elizabeth T., E. E. Jr.

Flora, Snowden D., meteorologist, U. S. Weather Bur., Topeka, Kans.

Meteorologist, Kans. State Bd. Agr. —*b.* near Roann, Ind., May 17, 1879; *s.* John H. and Mary I. (Jack) F.; reared on farm; *m.* Leona Mason; *c.* Mary, Gwendolyn, Mason, Esther.

Floyd, Bayard Franklin, hort., Wilson and Toomer Fertilizer Co., Jacksonville, Fla.

Asst. anat., Ind. Univ., 1903-5; asst. bot., Univ. Mo., 1905-7; plant physiologist, Fla. Exp. Sta., 1907-19. Sec. Fla. State Hort. Soc., 1917–. (Citrus fruits, avocados).—*b.* Kempton, Ind., Mar. 18, 1882; *s.* Henry J. and Jennie (Melson) F.; reared on farm and in city; *m.* Dixie R. Westlake, June 30, 1910. A.B., Ind. Univ., 1905; A.M., Univ. Mo., 1907. Phi Kappa Phi.

Floyd, Wilbur Leonidas, prof. bot. and hort., Univ. Fla., Gainesville, Fla.

Princ. Clio Sch., Clio, S. C., 1888-9; Cypress Sch., Cypress, S. C., 1889-92; instr. English, E. Fla. Sem., 1892-6; prof. nat. sci., 1896-1905; prof. English

and sci., Normal Dept., Univ. Fla., 1905-6; asst. prof. biol. and physics, Univ. Fla., 1906-8; prof. bot. and hort., 1908–; asst. dean Coll. Agr., 1915–. Hort. invest. in Calif., 1913.—*b.* Nichols, S. C., Apr. 6, 1866; *s.* Avery and Penelope O. (Williams) F.; reared on farm; *m.* Belva H. Thomas, Dec. 20, 1893; *c.* Mary, Belva. B.S., S. C. Military Acad., 1886; M.S., Univ. Fla., 1906.

Fluharty, Lee Wiley, dir. agrl. ext., Univ. Ida., State House, Boise, Ida.
Asst. agrst., Off. Farm Manag., U. S. Dept. Agr., 1911-2; asst. distr. leader co. agrl. agts., Ore., Wash., Ida., 1913-4; agrst., Off. Farm Manag., 1914-6; present position, 1917–.—*b.* Bedford, Ia., Sept. 21, 1884; *s.* Henry M. and Martha A. (Parks) F.; reared on farm; *m.* Florence Shinn, 1912; *c.* Ardith Louise. B.S.A., Univ. Ida., 1910. Beta Theta Pi.

Foard, Alvin Irl, co. agrl. agt., Benton, Mo.
Agt. St. Francois Co., Mo., 1917-8; asst. co. agt. leader, Univ. Mo., 1918-9; present position, 1919–.—*b.* Ripley Co., Mo., Oct. 24, 1887; *s.* Wm. A. and Nancy S. (Greer) F.; reared on farm; *m.* Mary E. Lee, Aug. 27, 1918. B.S.A., Univ. Mo., 1915. Gamma Sigma Delta.

Foard, William Euphrates, farm manag. dem., U. S. Dept. Agr. and Univ. Mo., Columbia, Mo.
Asst. instr., Univ. Mo., 1913-4; instr., 1914-5; farm manag. dem., U. S. Dept. Agr. and Colo. Agr. Coll., 1915-8; Univ. Mo., 1918–. (Farm econ.).—*b.* Doniphan, Mo., July 18, 1883; *s.* Wm. A. and Nancy (Greer) F.; reared on farm; *m.* Winona Daisy Houser, June 11, 1914; *c.* Evelyn Marie, Ruth Elizabeth, Robt. Wm. B.S.A., Univ. Mo., 1913; A.M., 1914. Gamma Sigma Delta.

Foght, Harold Waldstein, pres. Northern Normal and Ind. Sch., Aberdeen, S. D.
Teach. rural and village schs., Neb., 1890-2; prof. hist. and econ., Elk Horn Coll., 1894-1900; prof. hist. and educ., Dana Coll., 1900-4; Midland Coll., 1904-9; prof. rural educ., Kirksville State Normal Sch., Mo., 1909-13; specialist rural educ., Bur. Educ., 1913-5; specialist in rural sch. practice and chief of Rural Sch. Div., Bur. Educ., 1917-9. Studied education systems of Scandinavia, Holland, Belgium and Canada. *Auth.:* The Discovery of America, 1902; Syllabus of American History, 1907; The Trail of the Loup, 1905; The American Rural School, 1908; The Country Community, 1912; Rural Denmark and its Schools, 1915; The Rural Teacher and His Work, 1918. (Rural teach.-training).—*b.* Frelrikshall, Norway, Dec. 7, 1871, (immigrated 1883); *s.* E. J. and Laura (Arneberg) F.; reared on farm and in town; *m.* Alice Mabel Robbins, Dec. 28, 1897; *c.* Thelma, Margaret, Paul, Harold W. Jr. A.B., Ia. State Coll., 1897; A.M., Augustana Coll., Rock Island, Ill., 1900; grad. student Royal Frederick Univ., Copenhagen, 1900-1; Ph.D., American Univ., 1918.

Fogler, Raymond Henry, asst. to dir. agrl. ext. serv., Univ. Me., Orono, Me.
Asst. biol., Princeton Univ., 1915-7; present position, 1917–.—*b.* S. Hope, Me., Feb. 29, 1892; *s.* Henry H. and Mary (Andrews) F.; reared on farm. B.S., Univ. Me., 1915; M.S., Princeton Univ., 1917. Sigma Chi; Alpha Zeta; Phi Kappa Phi.

Folger, John Clifford, asst. sec. Intern. Apple Shippers Assoc., 522 Mercantile Bldg., Rochester, N. Y.
Sci. asst., Off. Farm Manag., U. S. Dept. Agr., 1915-7; crop specialist, Bur. Crop Estimates, 1917-9; present position, 1919–. *Auth.:* (with S. M. Thomson) The Commercial Apple Industry in North America, 1920.—*b.* Sheldon, Ia., May 28, 1890; *s.* Homer and Emma (Funston) F.; reared in country and town. B.S.; Wash. State Coll., 1914; M.S., 1917. Alpha Zeta; Sigma Nu.

Folker, Ambrose D., co. agrl. agt., Kansas City, Kans.
b. Mt. Sterling, Ia., Jan. 6, 1887; *s.* Peter C. and Anna (Dickson) F.; reared on farm; *m.* Candace Caton, Aug. 28, 1917. B.S.A., Ia. State Coll., 1911. Sigma Alpha Epsilon; Alpha Zeta.

Folmer, Henry Daniel, farmer and agrst., W. Jefferson, O.
Grower alfalfa, 19 yrs. *Auth.:* Alfalfa on Wildwood Farm and How to Succeed with It, 1911.—*b.* Janesville, Wis., June 18, 1852; *s.* Geo. and Sophronia (Thrasher) F.; reared on farm; *m.* Alvira Jones, Oct. 16, 1884.

Folsom, Donald, asst. plant path., Me. Exp. Sta., Orono, Me.

Instr. bot. and plant path., N. C. A. & M. Coll., 1917-8; present position, 1918–. (Physiol. diseases of potatoes). —*b.* Henderson, Ia., Oct. 23, 1891; *s.* Artemus and Mary Ann (Van Riper) F.; reared in town; *m.* Alma O. Schulz, Aug. 20, 1914. B.A., Univ. Neb., 1912; M.A., Univ. Minn., 1914; Ph.D., 1917.

Folsom, Justus Watson, asst. prof. ent., Univ. Ill., Urbana, Ill.

Prof. nat. sci., Antioch, Ill., 1899-1900; instr. ent., Univ. Ill., 1900-6; assoc., 1906-8; asst. prof., 1908–. Fellow A. A. A. S.; Ent. Soc. Amer. *Auth.:* Entomology with Special Reference to its Biological and Economic Aspects, 1906, 2d ed., 1913.—*b.* Cambridge, Mass., Sept. 2, 1871; *s.* Jas. Nelson and Charlotte Elizabeth (Watson) F.; reared in city. Sc.B., Harvard Univ., 1895; Sc.D., 1899.

Fontaine, Charles Arthur, prof. rural econ., Inst. Agricole d'Oka, La Trappe, Que.

Prof. physics, Inst. Agricole d'Oka, 1 yr.; present position, 1918–. Distr. rep. for Deux-Montagnes Co. Collaborator, Le Journal d'Agriculture and Le Devoir, Montreal, Le Bulletin des Agriculteurs. (Rural econ. and land drainage).—*b.* Rougemont, Que., Feb. 25, 1889; *s.* Hubert and Emerite (Vigeant) F.; reared on farm. B.A. and B.S.A., Laval Univ.

Foord, James A., head Div. Agr. and prof. farm manag., Mass. Agr. Coll., Amherst, Mass.

Asst. an. husb. and dairying, Cornell Univ., 1900-3; prof. agr., Del. Coll., 1903-6; assoc. prof. agron., Ohio State Univ., 1906-7; assoc. prof. agron., Mass. Agr. Coll., 1907-8; present position, 1908–.—*b.* Portsmouth, England, Oct. 30, 1872 (naturalized 1893); *s.* Jas. and Elizabeth Naomi (Knight) F.; reared on farm; *m.* Grace M. Law, Nov. 14, 1904; *c.* Elizabeth. B.S., N. H. A. & M. Coll., 1898; M.S.A., Cornell Univ., 1902. Sigma Xi; Phi Kappa Phi; Kappa Sigma.

Forbes, Ernest Browning, chief dept. of nutr., Ohio Exp. Sta., Wooster, O.

Zool. asst., Ill. Biol. Sta., 1894-6; asst. to state ent. of Minn., 1897-8; acting state ent., Minn., 1901; asst. an. husb., Ill. Exp. Sta., 1901-2; instr. an. husb., Univ. Ill., 1902-3; asst. prof. an. husb., Univ. Mo., 1903-7; present position, 1907–. Fellow A. A. A. S. Pres. Amer. Soc. An. Production, 1914-5. Major Sanitary Corps, U. S. Army, 1918-9. *Auth.:* (with M. H. Keith) A Review of the Literature of Phosphorus Compounds in Animal Metabolism. *Assoc. ed.,* Journal Dental Research, 1918–. (Metabolism of mineral elements).—*b.* Normal, Ill., Nov. 3, 1876; *s.* Stephen A. and Clara Shaw (Gaston) F.; reared in town and country; *m.* Lydia M. Mather, Aug. 18, 1903; *c.* Lydia Frances, Winifred Mather, Stephen Alfred, Rosemary, Richard Mather. B.S. (Sci.), Univ. Ill., 1897; B.S.A. (Agr.), 1902; Ph.D., Univ. Mo., 1908. Sigma Xi; Delta Tau Delta.

Forbes, Robert Humphrey, agron., Société Sultanienne d'Agriculture, Cairo, Egypt.

Prof. chem., Univ. Ariz., 1894-9; chem. Exp. Sta., 1894-1910; dir. Exp. Sta., 1899-1918; dir. agrl. educ., 1912-5; dean Coll. Agr., 1915-8; sec. Ariz. Comn. Agr. and Hort., 1907-18. Traveled in Mexico, the Orient, Egypt and Palestine. (Subtropical agr.).—*b.* Cobden, Ill., May 15, 1867; *s.* Henry C. and Mary Jane (Gorham) F.; reared on farm; *m.* Georgie Hazel Scott, 1902. B.S., Univ. Ill., 1892; M.S., 1897; Ph.D., Univ. Calif., 1916.

Forbes, Stephen Alfred, prof. ent., Univ. Ill., Urbana, Ill.

Prof. zool., Ill. State Normal Univ., 1875-8; prof. zool., Univ. Ill., 1884-1909; prof. ent., 1909–; dean Coll. Sci., 1888-1905; Ill. state ent., 1882-1917; dir. Ill. State Lab. of Nat. Hist., 1884-1917; chief, Ill. State Nat. Hist. Survey, 1917–. Del. to Intern. Congress of Ent., Oxford, England, 1912. Awarded 1st class medal for sci. papers by Société d'Acclimatation de France. Mem. Société Entomologique de France. Served in Civil War.—*b.* Stephenson Co., Ill., May 29, 1844; *s.* Isaac Sawyer and Agnes (Van Hoesen) F.; reared on farm; *m.* Clara Shaw Gaston, 1873; *c.* Bertha, Ernest B., Winifred, Ethel. Ph.D., Ind. Univ., 1884; LL.D., Univ. Ill., 1905. Phi Beta Kappa; Sigma Xi; Alpha Zeta; Phi Gamma Delta.

Ford, Jacob Homer, state agron. and dem. agt., Prairie View, Tex.

b. Wharton, Tex., Sept. 1, 1876; *s.* Jake and Henrietta (Washington) F.; reared on farm; *m.* Bertha Ophelia Mae, June 26, 1906; *c.* Chas. W. J. Grad. Prairie View Coll., 1903.

Forman, Lee W., chief in field exp., Ia. Exp. Sta., Ames, Ia.

Present position, 1909–. (Soil fert.). —*b.* Lenox, Ia., Mar. 17, 1881; *s.* Willits and Ruth (Vore) F.; reared on farm; *m.* Martha Abel Leffler, June, 1910; *c.* Loren Verne, Mary Gail. B.S.A., Ia. State Coll., 1909; M.S., 1913. Gamma Sigma Delta; Phi Lambda Epsilon; Phi Kappa Phi.

Forrest, Mary Ella, home dem. agt., Dickens, Tex.

b. Madisonville, Tex., May 12, 1897; *d.* S. S. and Ora (Robinson) F.; reared in town. Student Coll. Ind. Arts, Denton, Tex.

Fortson, Jessie Eliza, home dem. agt., Columbus, Ga.

Teach. rural and city schs. Traveled in Europe.—*b.* Muscogee Co., Ga., July 4, 1871; *d.* H. P. and Eugenia (Glenn) F.; reared on farm.

Foster, John H., state for. and prof. for., Tex. A. & M. Coll., College Station, Tex.

Instr. Lawrence Acad., Groton, Mass., 1904-5; prof. for., N. H. A. & M. Coll., 1911-5; present position, 1915. Del. Nat. Conservation Congress, Washington, 1913. Lieut. Vt. Nat. Guard, 1902-3.—*b.* Waltham, Mass., Apr. 13, 1880; *s.* John and Nellie (Webster) F.; reared in small city; *m.* Mary E. Elliott, July 7, 1915; *c.* Ruth Foster. B.S., Norwich Univ., 1903; M.F., Yale Univ., 1907. Theta Chi; Alpha Zeta.

Foster, John Raymond, co. agrl. agt., Sibley, Ia.

Teach. agr., high-sch., Le Sueur, Minn., 1913-6.—*b.* Sac City, Ia., Sept. 7, 1884; *s.* Thos. M. and Harriet Ann (Groves) F.; reared on farm; *m.* Luida Maria Schonhovd, Oct. 4, 1916; *c.* Janet Elizabeth, Mary Jean. B.S., Univ. Ill., 1913.

Foster, Thomas Butterworth, co. agrl. agt., Hillsboro, O.

General farming, 1906-17.—*b.* Adams Co., O., Sept. 1, 1884; *s.* E. H. and Della (Ellis) F.; reared in village; *m.* Louise G. Stevenson, Jan. 7, 1912; *c.* Nancy Irvin, Thos. B., Gordon. B.S.A., Ohio State Univ., 1906. Sigma Chi; Alpha Zeta.

Foust, Harry Lewis, asst. prof. vet. sci., N. D. Agr. Coll., Agricultural College, N. D.

Present position, 1916–. (Vet. anat.). —*b.* Beaverdam, O., Mar. 22, 1886; *s.* Wm. Edgar and Lydia (Augsburger) F.; reared on farm. D.V.M., Ohio State Univ., 1914. Omega Tau Sigma.

Fouts, Kenneth Clay, co. agrl. agt., W. Point, Neb.

Teach. agr. and athletics, high-sch., Elk Point, S. D., 1915-7. From private to 1st Lieut. Air Serv., U. S. Army. (An. husb.).—*b.* Diller, Neb., Mar. 12, 1893; *s.* Jesse Wm. and Elizabeth Jane (Madden) F.; reared in village; *m.* Jessie Margaret Bridenbaugh, Jan. 1, 1919. B.Sc., Univ. Neb., 1915.

Fox, Cyrus T., journalist, Reading, Pa.

City ed., Reading Times, 1872-87; ed. and business manag., Reading Daily Review, 1897-9; manag. Reading News Bur., 1887-1904. State pom., Pa., 1877-1904; insp. Div. Zool., Penn. Dept. Agr., 9 yrs.; lect. and manag. farmers insts., in first season, 1888-9. Trustee Penn. State Coll., 1890-1903. Sec. Berks Co. Agr. and Hort. Soc., 27 yrs.; sec. Penn. State Hort. Assoc., 1897 and 1898; pres. Penn. State Editorial Assoc., 1902; one of the organizers of the Nat. Editorial Assoc. at Cincinnati, 1885. Manag. Chesterwood Exp. Farm and Gardens, Lancaster Co., Pa., 1865-72; supt. hort. for Pa., at the St. Louis Expos., 1904; sec. World's Fair Assoc. of Supts. of Hort.; sec. Hist. Soc. of Berks Co., 1919–; dir. Huguenot Soc. of Pa.; chm. General War History Com. of Berks Co., Pa. *Auth.:* Early Ironmasters of Pennsylvania.—*b.* Reading, Pa., Mar. 12, 1847; *s.* Frederick and Sarah (Soder) F.; reared in city and on farm; *m.* Tillie S. Shartle, Jan. 7, 1875; *c.* Frederick S., Cyrus Garfield, Paul E.

Fox, Daniel Scott, co. agrl. agt., 438 Court St., San Bernardino, Calif.

Instr., Cornell Univ., 1913-6; asst. prof. farm manag., Mont. State Coll., 1916-7; asst. prof. agron., Penn. State Coll., 1917-20; farm adv. San Bernardino Co., Calif., 1920–. (Tractor farming).—*b.* Avoca, N. Y., Aug. 31, 1888; *s.* Emerson E. and Jennie (Scott) F.; reared on farm; *m.* Grace Fordyce, June 30, 1915; *c.* Dorothy Elizabeth. B.S., Cornell Univ., 1913; Ph.D., 1918. Sigma Xi.

Fracker, Stanley Black, acting state ent., Dept. Agr., Madison, Wis.

Asst. zool., Univ. Mich., 1910-1; instr. zool., Ia. State Coll., 1911-2; instr. econ. ent., Univ. Wis., 1914-5; asst. state ent., Wis., 1915-8; acting state ent., 1918–.—*b.* Ashton, Ia., Apr. 8, 1889; *s.* Geo. H. and Nettie (Black) F.; reared in town; *m.* Grace Parker, Sept. 10, 1914; *c.* Doris Margaret, Alice Lorraine. A.B., Buena Vista Coll., 1910; M.S., Ia. State Coll., 1912; Ph.D., Univ. Ill., 1914. Sigma Xi; Phi Kappa Phi.

Frame, Nat Terry, dir. agrl. ext., Univ. W. Va., Morgantown, W. Va.

Asst. supt., Geo. Junior Republic, 1900-2; farmer, 1902-13. Sec. Eastern Fruit-Growers Assoc.; Berkeley Co. Hort. Soc.—*b.* Depauville, N. Y., Feb. 25, 1877; *s.* Silas W. and Antonette (Terry) F.; reared on farm and in village; *m.* Grace Boomer, 1900; *c.* Luke W., Robt. N., Wm. S. A.B., Colgate Univ., 1899. Phi Kappa Psi.

Frandsen, Julius Herman, prof. dairy husb., Univ. Neb., Lincoln, Neb.

Instr. agrl. chem., Ia. State Coll., 1902-4; commercial work, 1904-7; prof. dairying, Univ. Ida., 1907-11; present position, 1911–. Del. Amer. Assoc. Agr. Colls., 1909; Northwest Rural Life Comn., from Ida. Pres. Official Dairy Instrs. Assoc., 1913-4; pres. Neb. State Dairymens Assoc., 1916. Chm. dairy com., Fed. Food. Adminis. for Neb., 1917–. *Auth.:* (with Markham) The Manufacture of Ice Creams and Ices, 1916. *Ed.* in-chief, Journal of Dairy Science.—*b.* Story City, Ia., Apr. 28, 1877; *s.* Andrew Christian and Anna (Hermansen) F.; reared on farm; *m.* Matilda Madson, Aug. 9, 1906; *c.* Julius Herman Jr., Dorothy Evelyn, Dana Christian. B.S.A., Ia. State Coll., 1902; M.S.A., 1904. Phi Kappa Phi; Gamma Sigma Delta.

Frank, Arthur, plant path., W. Wash. Exp. Sta., Puyallup, Wash.

b. Newport, R. I., Feb. 5, 1888; *s.* J. L. and Elizabeth E. (Burdick) F.; reared in town and on farm. B.S., Ore. Agr. Coll., 1915.

Frank, William Luther, sci. asst. in grain standardization invests., Bur. Markets, U. S. Dept. Agr., Washington, D. C.

b. Wapakoneta, O., Dec. 22, 1892; *s.* David L. and Anna M. (Ramga) F.; reared on farm; *m.* Edith Alida Ray, Aug. 19, 1917; *c.* Edith Marie. B.S.A., Ohio State Univ., 1917. Beta Alpha Chi.

Franklin, Henry James, supt. cranberry substa., E. Wareham, Mass.

Instr. ent., Univ. Minn., 1908-9; present position, 1909–. (Ent.).—*b.* Guilford, Vt., Feb. 10, 1883; *s.* Jas. Henry and Emma Mary (Franklin) F.; reared on farm; *m.* Esther M. Smith, Nov. 28, 1918. B.S., Mass. Agr. Coll., 1903; Ph.D., 1908.

Fraps, George Stronach, state chem. of Tex., College Station, Tex.

Asst. prof. chem., N. C. A. & M. Coll., 1899-1903; asst. chem., N. C. Exp. Sta., 1899-1903; asst. chem., Tex. Exp. Sta., 1903-4; assoc. chem., 1904-5; chem., 1905–; assoc. prof. chem., Tex. A. & M. Coll., 1906-13; state chem. of Tex., 1905–; chem. Feed Control, 1905–. Fellow A. A. A. S. *Auth.:* Principles of Dyeing, 1903; Principles of Agricultural Chemistry, 1913, rev., 1917. (Soil fert., productive value of feeds).—*b.* Raleigh, N. C., Sept. 9, 1876; *s.* Anton Wenzel and Margaret Elizabeth Lumley (Stonebanks) F.; reared in city; *m.* Ellen Hale Saunders, June 17, 1903; *c.* Geo. S. Jr., Mary Brandon, Richard Saunders. B.S., N. C. A. & M. Coll., 1896; Ph.D., Johns Hopkins Univ., 1899. Phi Beta Kappa.

Fraser, Allan Cameron, asst. prof. plant-breeding, Cornell Univ., Ithaca, N. Y.

Instr. hort., Columbia Univ., 1913-4; instr. plant-breeding, Cornell Univ., 1914-9; asst. prof., 1919–. Sergeant-Major, Field Artillery, U. S. Army.—*b.*

Brockport, N. Y., June 4, 1890; *s.* John T. and Louise (Telfair) F.; reared in town; *m.* Helen Parker Myers, Sept. 5, 1917. B.S., Cornell Univ., 1913; Ph.D., 1918. Sigma Xi.

Fraser, Samuel, fruit-grower, nurseryman, farmer, Geneseo, N. Y.

Asst. agr., Cheshire Agr. Coll., England, 1896-8; agrst., Sch. Practical Agr. and Hort., Briarcliff Manor, N. Y., 1900-3; asst. agron. and instr., Cornell Univ., 1903-6. Fellow A. A. A. S.; Highland and Agrl. Soc., Scotland. Ex. vice-pres. N. Y. State Hort. Soc.; ex. vice-pres. N. Y. State Agrl. Soc. *Auth.:* The Potato, 1905.—*b.* Cheadle, Cheshire, England, Feb. 2, 1876; *s.* John and Frances Catherine (Widdison) F.; reared in small town; *m.* Nicolas M. Shaw, Aug. 26, 1903; *c.* Rachel Shaw. Grad. Cheshire Agr. Coll., England, 1898; diploma Highland and Agrl. Soc., Scotland, 1898; diploma Royal Agrl. Soc., England, 1898; nat. diploma in dairying, Great Britain, 1898; M.S.A., Cornell Univ., 1905. Sigma Xi.

Fraser, Wilber John, prof. dairy farming and chief Exp. Sta., Univ. Ill., Urbana, Ill.

Asst. agrst., Ill. Exp. Sta., 1895-6; instr. dairy husb., 1896-1901; present position, 1901–. Studied dairy farming in Europe. Farm operator.—*b.* Lockport, Ill., July, 1869; *s.* John A. and Mary A. (Van Horn) F.; reared on farm; *m.* Alice M. Eaton, Sept. 13, 1894; *c.* Cecil E., Gladys C. B.S., Univ. Ill., 1893; M.S., 1902; student agrl. econ., Harvard Univ., Sept., 1915-Feb., 1917. Sigma Xi.

Frear, Dana Walter, asst. state co. agt. leader, N. D. Agr. Coll., Fargo, N. D.

Field agt., Bur. Plant Ind., 1908, Bur. Statistics, U. S. Dept. Agr., 1909; instr., asst. prof., assoc. prof. agron., Colo. Agr. Coll., 1909-13; state leader co. agrl. agts., 1912-5; present position, 1915–. Sec.-treas. Nat. Agr. State Leaders Assoc., 1913-5. *Ed.,* Minnesota Farm Review, St. Paul, 1908-9.—*b.* Minnetonka, Minn., Mar. 10, 1884; *s.* Walter Scott and Clara E. (Chase) F.; reared on farm and in town. B.S.A., Univ. Minn., 1909; M.S., 1915. Sigma Xi; Alpha Zeta.

Frear, William, prof. expl. agrl. chem., Penn. State Coll., State College, Pa.

Asst. nat. sci., Bucknell Univ., 1881-3; asst. chem., U. S. Dept. Agr., 1883-5; asst. prof. agrl. chem., Penn. State Coll., 1885; prof., 1886-1906; prof. expl. agrl. chem., 1907–; vice-dir. and chem., Exp. Sta., 1887–; chem., Pa. State Bd. Agr., 1889–; chem., Pa. Dept. Agr., 1895–; chem., Pa. Dairy and Food Bur., 1895–. Mem. U. S. Food Standards Comn., 1903-7; Joint Com. on Food Definitions and Standards, 1914–. Vice-pres. Assoc. Amer. Agrl. Colls. and Exp. Stas.; pres. Assoc. Official Agrl. Chems.; pres. and sec. Soc. for Promotion Agrl. Sci.; pres. sci. sect., Assoc. Amer. Dairy Food and Drug Officials; chm. exec. com., Nat. Pure Food and Drug Congress. Fellow A. A. A. S. *Ed.,* Agricultural Science, 1892-4.—*b.* Reading, Pa., Mar. 24, 1860; *s.* Geo. and Malvina (Rowland) F.; reared in city and on farm; *m.* Julia Reno, July 17, 1900; *c.* Geo. Lewis, Mary Reno, Elizabeth Rowland, Wm. B.A., Bucknell Univ., 1881; Ph.D., Ill. Wesleyan Univ., 1883. Phi Kappa Psi; Phi Kappa Phi; Alpha Zeta (hon.); Alpha Chi Sigma (hon.).

Fred, Edwin Broun, prof. agrl. bact., Univ. Wis., Madison, Wis.

b. Middleburg, Va., Mar. 22, 1887; *s.* Samuel Rogers and Catherine (Conway) F.; reared on farm; *m.* Rosa Helen Parrott; *c.* Ann Conway. B.S., Va. Poly. Inst., 1907; Ph.D., Univ. Goettingen, 1911.

Freeman, Edward Monroe, prof. plant path. and bot. and dean Coll. Agr., For. and Home Econ., Univ. Minn., St. Paul, Minn.

Instr. bot., Coll. Pharmacy, Univ. Minn., 1898-1901; asst. prof. bot., Coll. Sci. and Arts, 1902-3; path., Bur. Plant Ind., Washington, 1905-7; prof. plant path. and bot., Coll. Agr., Univ. Minn., 1907–; asst. dean, Dept. Agr., 1913-7; dean, 1917–. Fellow A. A. A. S. Pres. Amer. Phytopath. Soc., 1918. *Auth.:* Minnesota Plant Disease, 1905. (Cereal path. and dendropath.).—*b.* St. Paul, Minn., Feb. 12, 1875; *s.* Henry and Sybella (Jenni) F.; reared in country and city; *m.* Grace D. Studeman, Aug. 19, 1902; *c.* Monroe Edward. B.S., Univ. Minn., 1898; M.S., 1899; Ph.D., 1905;

student Cambridge Univ., England, 1 yr. Phi Beta Kappa; Sigma Xi; Gamma Alpha.

Freeman, Frances Rowland, prof. home econ., Univ. Me., Orono, Me.
Head home econ. dept., State Normal Sch., Moorhead, Minn., 1911-4; present position, 1914-.—. Tippecanoe City, O., Mar. 7, 1887; *d.* C. M. and Fannie (Stafford) F.; reared on farm. B.S., Ohio State Univ., 1910; M.S., 1911. Sigma Xi; Phi Kappa Phi.

Freeman, George F., plant geneticist and bot., Société Sultanienne d'Agriculture, Cairo, Egypt.
Asst. bot., Mass. Agr. Coll., 1903-4; asst. and asst. prof. bot., Kans. State Agr. Coll., 1904-9; plant-breeder, Univ. Ariz., 1909-18; acting dean and dir. Coll. Agr., Univ. Ariz., 1915-6.—*b.* Leesburg, Ala., Nov. 4, 1876; *s.* Geo. Washington and Laura Caroline (Nuckols) F.; reared on farm; *m.* Loua Adelle Blachly, July 18, 1906; *c.* Eleanor Adelle, Geo. Donald. B.S., Ala. Poly. Inst., 1903; Sc.D., Harvard Univ., 1917.

Freeman, Robert Wallace, distr. agrl. agt., Wilson, N. C.; 1889-Oct. 11, 1918. See Rus 1918.

French, Alfred Llewellyn, farmer and breeder Aberdeen-Angus cattle, Cascade, Va.
Vice-pres. N. C. Beef Breeders and Feeders Assoc.; pres. Carolina Aberdeen-Angus Breeders Assoc. Lect. on live-stock and farm subjects. Contributing ed., Progressive Farmer.—*b.* Wakeman, O., Nov. 10, 1869; *s.* Llewellyn and Lydia (Furis) F.; reared on farm; *m.* Hattie Van Fleet, Dec. 25, 1895; *c.* Gaylord H., Ellen L., Annie Crane, Cordelia M.

French, Hiram T., dir. ext., Colo. Agr. Coll., Fort Collins, Colo.
Prof. agr., Ore. Agr. Coll., 1889-99; prof. agr., Univ. Ida., 1899-1903; dir. Exp. Sta., 1903-9; state leader coop. farm dem. work, Ore. Agr. Coll., 1909-15; present position, 1915-. Mem. Ida. Country Life Comn.; pres. Ida. State Dairy and Pure Food Assoc., 9 yrs. Planned and built community school, Washoe, Ida. Farm operator; pres. Pleasant Valley Farm Lands Co., Caldwell, Ida. *Auth.:* History Idaho, 1913-4. *Assoc. ed.,* Gem State Rural and Live Stock Journal, 3 yrs.—*b.* Almena, Mich., Oct. 1, 1861; *s.* Warren F. and Sarah (Eager) F.; reared on farm; *m.* Carrie C. French, 1886 (d. 1900); 2d, Lura C. Cass, 1901; *c.* Ralph W., Carrie, Helen, Hiram Jr. B.S., Mich. Agr. Coll., 1885; M.S., 1888.

French, Walter Hiram, prof. agrl. educ., Mich. Agr. Coll., E. Lansing, Mich.
Co. supt. schs., 1893-1901; deputy state supt. public instr., 1901-8. Mem. State Com. on Agrl. and Ind. Educ.; Sec. Amer. Assoc. for Adv. Agrl. Teach.; vice-pres. Nat. Soc. Promotion Ind. Educ.—*b.* Cuba, N. Y., Jan. 28, 1862; *s.* Harvey H. and Perlie A. (Niles) F.; reared on farm; *m.* Caddie M. Chaffee, 1886; *c.* Horace L. M.Pd., State Normal Coll., Mich., 1910; M.S., Univ. Mich., 1913. Alpha Zeta.

Fries, Jons August, asst. dir., Inst. of An. Nutr., Penn. State Coll., State College, Pa.
Asst. chem., Penn. Exp. Sta., 1889-98; expert as t. in an. nutr., 1898-1908. present title, 1908-.—*b.* Halsinborg, Sweden, Aug. 31, 1863 (naturalized 1892); *s.* Rasmus and Anna Sophia (Fries) Larson; reared in small town. B.S., Penn. State Coll., 1899; M.S. 1906; studied Halle, Germany, 1894; Bonn and Leipzig, 1904 and Zurich, Switzerland, 1905.

Fritz, Emanuel, asst. prof. for., Univ. Calif., Berkeley, Calif.
Instr. engin., Baltimore Poly. Inst., 1908-12; for. asst., N. H. For. Comn., 1914-5; asst., U. S. For. Serv., 1915-7; present position, 1919-. 1st Lieut. to Capt., Air Serv., 1917-9; with A. E. F., 1918-9.—*b.* Baltimore, Md., Oct. 29, 1886; *s.* John Geo. and Rosa (Trautwein) F.; reared in city; *m.* Esther Clare Phillips, Dec. 9, 1917; *c.* Edith Roberta. M.E., Cornell Univ., 1908; M.F., Yale Univ., 1914. Sigma Xi.

Fromme, Fred Denton, prof. mycology and plant path. and path. Exp. Sta., Va. Poly. Inst., Blacksburg, Va.
Asst. bot., Columbia Univ., 1911-3; asst. bot., Purdue Exp. Sta., 1913-5; present position, 1915-. Fellow A. A. A. S.—*b.* St. Paris, O., Apr. 2, 1886; *s.*

Frank W. and Stella (Riker) F.; reared in city; *m.* Bess Fridley, June, 1913; *c.* Jean Louise, Anne, Barbara. B.S., S. D. State Coll., 1911; Ph.D., Columbia Univ., 1914. Sigma Xi.

Frost, Harold Locke, farmer, Arlington, Mass.

Farmer, Lincoln, Mass., 10 yrs., Richmond, Mass., 4 yrs., Littleton, 1909–; Sask, Canada, 1911–. Dir. Menotomy Trust Co., Arlington; pres. Frost Insecticide Co.; trustee Mass. Agr. Coll., 1910–; pres. Mass. Fruit Growers Assoc; vice-pres. Middlesex Co. Farm Bur.; mem. exec. com., Mass. For. Assoc. Hospital farm serv. in France under Amer. Red Cross; chief agrl. div. on war damages in allied countries, Amer. Peace Comn., 1919. (Fruit-growing and spraying).—*b.* Belmont, Mass., Aug. 15, 1875; *s.* Sylvester C. and Alice (Locke) F.; reared on farm; *m.* Sophia Wood Freeman, Dec. 31, 1901; *c.* Edmund L., Alice L., Freeman W. B.Sc., Mass. Agr. Coll., 1895. Phi Sigma Kappa.

Frost, Norman, prof. rural educ., Geo. Peabody Coll. for Teachers, Nashville, Tenn.

Princ. public sch., Fountain, Minn., 1909-10; supt. schs., Stephen, Minn., 1910-2; specialist, U. S. Bur. Educ., 1913; distr. supt. schs., Waterbury, Vt., 1913-6; present position, 1917–.—*b.* Oberlin, O., June 23, 1887; *s.* Wm. G. and Louise (Raney) F.; reared in small town. B.A., Oberlin Coll., 1909; M.A., Columbia Univ., 1914. Phi Delta Kappa.

Frost, Stuart Ward, asst. prof. ent. research, Penn. State Coll., Arendtsville, Pa.

Asst. ent., Cornell Univ., 1916; instr., Penn. State Coll., 1918-9; asst. prof., 1919–. (Dipterous leaf-miners).—*b.* Tarrytown, N. Y., Dec. 4, 1891; *s.* Homer R. and Josephine F. (Carpenter) F.; reared in town; *m.* Anna M. Jenks, Nov. 12, 1917. B.S., Cornell Univ., 1915. Sigma Xi.

Frost, William Dodge, prof. agrl. bact., Univ. Wis., Madison, Wis.

Asst., Minn. State Bd. of Health Lab., 1894-5; asst. bact., Univ. Wis., 1895-8; instr., 1898-1902; asst. prof., 1902-7; assoc. prof., 1907-14; prof. agrl. bact., 1915–. Fellow A. A. A. S. *Auth.:* Laboratory Guide in Elementary Bacteriology, 1901; (with McCampbell) General Bacteriology, 1912; chapter in Marshall's Microbiology.—*b.* Lake City, Minn., Sept. 13, 1867; *s.* Benj. Cutler and Lucy Jane (Dodge) F.; reared on farm; *m.* Jessie Elwell, Jan. 1, 1895; *c.* Russell Elwell, Theodore Dodge. B.S., Univ. Minn., 1893; M.S., 1894; Ph.D., Univ. Wis., 1903; Dr. P.H., Harvard Med. School, 1913. Sigma Xi; Alpha Zeta.

Fry, Jacob Martin, co. agrl. agt., Sunbury, Pa.

Asst. agrl. ext., Penn. State Coll., 1917-8.—*b.* Ephrata, Pa., Feb. 20, 1887; *s.* Samuel Curtis and Catherine R. (Kline) F.; reared on farm. B.S., Penn. State Coll., 1917. Phi Kappa Phi.

Fry, William Henry, sci. in chem. invests., Bur. Soils, U. S. Dept. Agr., Washington, D. C.

Asst. geol., Univ. N. C., 1908-10; instr., 1910-1; present position, 1911–. (Soil mineralogy and microscopy).—*b.* Fayetteville, N. C., Sept. 22, 1888; *s.* Wm. Alexander and Flora (Carter) F.; reared in town; *m.* Marie Louise McClenaghan, June 19, 1912; *c.* Wm. Trenholm. A.B., Univ. N. C., 1910.

Frysinger, Grace Elizabeth, asst. ext. work with women, States Relations Serv., U. S. Dept. Agr., Washington, D. C.

Dir. home econ. dept., Belmont Coll., Nashville, Tenn., 1909-12; teach. household sci., high-schs., Des Moines, Ia., 1915-6; food conservation lect. and writer, N. Y. City, 1916-7; present position, 1917–. Traveled around world, 1912-3.—*b.* Rockford, Ill., Aug. 28, 1885; *d.* Geo P. and Grace C. (Burrall) F.; reared in town. Grad. Oread Inst., Worcester, Mass., Drexel Inst., Philadelphia; student Univ. Chicago.

Fugett, Joseph Russell, instr. voc. agr., State Coll. for Colored Students, Dover, Del.

Asst. gard., Colored Orphan's Home, Riverdale, N. Y., 1913; instr. dairying and an. husb., Tuskegee Inst., 1913-5; farmer, Waterloo, N. Y., 1915-6; instr. agr., sci. and math., Manual Training

Sch., Bordentown, N. J., 1916-8; present position, 1918–.—*b.* Baldwinsville, N. Y., June 17, 1890; *s.* Joseph Martin and Josephine E. (Bakeman) F.; reared on farm; *m.* Hazel E. Schloss, June 2, 1915; *c.* Joseph R. Jr. B.S., Cornell Univ., 1912. Alpha Phi Alpha.

Fuller, Bradley, lawyer and dairy farmer, Mann Bldg., Utica, N. Y.
Asst. distr. attorney, Oneida Co., N. Y., 4 yrs.; distr. attorney, 6 yrs.; counsel, Dairymens League, Inc., 1 yr. Pres. Dairymens League Coop. Assoc., Inc.; mem. Fed. Milk Comn. (Coop. agrl. law).—*b.* Litchfield, N. Y., May 6, 1874; *s.* Chas. W. and Cornelia C. (Getman) F.; reared on farm; *m.* Minnie H. Wood, July 12, 1899; *c.* Howard C., Kenneth W. LL.B., Cornell Univ., 1997.

Fuller, Emma Annette, home dem. agt., Middlebury, Vt.
Established first farm bur. community canning kitchen in Vt.—*b.* Montpelier, Vt., Oct. 1, 1893; *d.* Asa C. and Harriet A. (Burroughs) F.; reared on farm. B.S., Univ. Vt., 1917.

Fuller, Frank Erwin, ext. agron., Mont. State Coll., Bozeman, Mont.
Sec. Mont. Seed Growers Assoc.—*b.* Atwood, Kans., Dec. 28, 1887; *s.* Frank and Adelia (Hoogner) F.; reared on farm; *m.* Ruth Plumb, 1912 *c.* Kenneth. B.S., Kans. State Agr. Coll., 1911; B.S.A., Ia. State Coll., 1917. Alpha Zeta; Phi Kappa Phi.

Fuller, Frederick Driggs, chief, div. feed control serv., Tex. Exp. Sta., College Station, Tex.
Asst. chem., N. H. Exp. Sta., 1892-5; asst. chem., N. Y. Agr. Exp. Sta., Geneva, 1896-1905; chief chem., Dept. Agr., Harrisburg, Pa., 1905-9; chief, Cattle Feed and Grain Invest. Lab., U. S. Bur. Chem., 1909; chief chem. and gen. manag., Pa. Primo Feed Co., Harrisburg, 1909-10; chief deputy state chem., Ind. Exp. Sta., 1910-6; chg. sci. educ. dept., Amer. Feed Manufacturers Assoc., 1916-7; present position, 1917–. Fellow A. A. A. S.—*b.* Hanover, N. H., May 14, 1873; *s.* John Marsh and Martha Sophia (Driggs) F.; reared on farm; *m.* Abby Florence Chamberlin, 1895; *c.* Irene Mabel, Allan Chamberlin, Whitman Hamilton, Raymond Nelson. B.S., N. H. A. & M. Coll., 1892; M.S., Purdue Univ., 1912. Sigma Xi; Kappa Sigma.

Fuller, Horace B., co. agt. leader, N. D. Agr. Coll., Agricultural College, N. D.
Farmer, Montgomery Co., Mich., 8 yrs. Formerly agrst. co. agt. work, States Relations Serv., U. S. Dept. Agr. —*b.* Ingham Co., Mich., June 2, 1870; *s.* Geo. F. and Helen (Bigelow) F.; reared on farm; *m.* Axie E. Warren, Nov. 20, 1898; *c.* Helen P.. Grace L., Théodore W., Mariam, Elva A. B.S., Mich. Agr. Coll., 1892.

Fuller, James Garfield, prof. an. husb., Univ. Wis., Madison, Wis.
Asst. an. husb., Univ. Wis., 1904-6; instr., 1906-8; asst. prof., 1908-13; assoc. prof., 1913-9; prof., 1919–. Studied agr. in Europe, 1910.—*b.* Waterman, Ill., Sept. 12, 1880; *s.* Harvey L. and Sarah (Brady) F.; reared on farm; *m.* Lulu Margaret Douglas, Apr. 21, 1908; *c.* Harold Douglas, Jas. Gordon. B.S.A., Univ. Wis., 1904. Alpha Zeta.

Fuller, John McElroy, prof. dairy husb., N. H. Coll., Durham, N. H.
Instr. dairy husb., S. D. State Coll., 1912-3; assoc. prof., 1913-5; prof. dairying, Okla. A. & M. Coll., 1915-6; present position, 1916–. Sec., Granite State Dairymens Assoc. *Assoc. ed.*, Orange Judd Weeklies, 1911-2.—*b.* Brooks, Ia., Dec. 23, 1882; *s.* Chester Morrison and Eunice Virginia (Teeter) F.; reared on farm; *m.* Elsie K. Bissell, Aug. 27, 1913; *c.* John Frederick, Dorothy Jane. B.S., Ia. State Coll., 1911. Delta Sigma Rho; Gamma Sigma Delta.

Fullerton, Edith Loring, writer, agrst., Medford Station, L. I., N. Y.
Pres. Suffolk Co. Home Bur.; vice-pres. Suffolk Co. Farm and Home Bur. Assoc.; mem. bd., N. Y. State Fed. Home Burs. Asst. dir. agrl. development, L. I. R. R. *Auth.:* How to Make a Vegetable Garden; The Lure of the Land, 1906; The Book of the Home Garden, 1919. *Ed.*, L. I. Agronomist. —*b.* Brooklyn, N. Y., Oct. 24, 1876; *d.* John A. and Eleanor (Switzer) Jones; reared in town; *m.* Hal B. Fullerton, June 3, 1898; *c.* Hope, Eleanor, Loring.

Fullerton, Hal B., dir. agr., L. I. Railroad, Medford, L. I., N. Y.

Supt. oil co., Pa., 2 yrs.; supt. cotton seed oil mill, Tex., 2 yrs.; asst. hydraulic engin., in Mass., 2 yrs., in Va., 2 yrs.; supt. paper mills, Mass., 1 yr.; sec. and manag. export co., Mex., 5 yrs.; official L. I. R. R., 23 yrs. Vice-pres. N. Y. Agrl. Soc.; vice-pres. Nat. Farmers Congress; vice-pres. Good Roads Assoc. Fellow A. A. A. S., Amer. Geog. Soc., Amer. Peat Soc. Introduced American cattle into Mex., Cuba, Porto Rico, Argentina, 1887-92; in France, 1920, to re-establish agr. in devastated region.—*b.* Cincinnati, O., Aug. 15, 1857; *s.* Wm. R. and Frances C. (Lyon) F.; reared in suburbs; *m.* Edith Loring Jones, June 10, 1898; *c.* Hope, Eleanor, Loring. Mass. Inst. Tech., 1879.

Fulton, Harry Rascoe, path. fruit disease invests., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Plant path., La. Exp. Sta., 1906-8; assoc. prof. bot. and plant path., Penn. State Coll., 1908-12; prof. bot. and plant path., N. C. A. & M. Coll., 1912-6; present position, 1916–. Fellow A. A. A. S. *Auth.:* Essentials of Botany, 1915. (Diseases of citrus and subtropical fruits).—*b.* Oxford, Miss., Sept. 19, 1880; *s.* Robt. Burwell and Annie Rose (Garland) F.; reared on farm; *m.* Nell Cribbs, 1913; *c.* Carrie Roper. B.A., Univ. Miss., 1900; M.A., Univ. Mo., 1905; M.A., Harvard Univ., 1906. Sigma Xi; Phi Kappa Phi; Delta Psi.

Fulton, Sanford Hamilton, fruit-grower, Sleepy Creek, W. Va.

Chg. substa., South Haven, Mich., 1899-1901; hort., Ga. Exp. Sta., 1901-2; asst. pom., U. S. Dept. Agr., 1902-6; fruit-grower, W. Va., 1906–. Pres. W. Va. State Hort. Soc., 1914-6; pres. Potomoc Fruit Growers Exchange, 1917-9.—*b.* Wayne Co., Mich., Sept. 7, 1874; *s.* John and Xerfa Jane (Merritt) F.; reared on farm; *m.* Lucy Reed Chatfield, Apr. 17, 1901. B.S., Mich. Agr. Coll., 1897.

Funchess, Marion Jacob, prof. agron., Ala. Poly. Inst., Auburn, Ala.

Asst. prof. agron., Ala. Poly. Inst., 1909-12; assoc. prof., 1912-5; prof., 1915–.—*b.* Orangeburg, S. C., Apr. 9, 1884; *s.* J. S. and E. M. (Andrews) F.; reared on farm; *m.* Agnes Eloise McCants, June 21, 1911; *c.* Jean Eloise, Helen. B.S., Clemson Agr. Coll., 1908; M.S., Univ. Wis., 1911. Phi Kappa Phi; Gamma Sigma Delta; Kappa Phi Gamma.

Fuqua, Warren Watson, farmer, Monroe City, Mo.

Pres. Mo. Fed. Coop. Shipping Assocs.; dir. Mo. Fed. of Farmers Coop. Elevators. (Pure-bred live-stock, especially Poland-China hogs).—*b.* Monroe City, Mo., Feb. 21, 1891; *s.* J. Gentry and Julia (Watson) F.; reared on farm; *m.* Margaret Dorsey, Oct. 26, 1915; *c.* Dorothy Anne. B.S.A., Univ. Mo., 1914. Kappa Sigma; Sigma Gamma Delta.

G

Gaddis, Lella Reed, state leader home dem. agts., Purdue Univ., LaFayette, Ind.

Asst. girls' club work, Purdue Univ., 1916-7; emergency home dem. agt. leader, 1917-9; present position, 1919–. —*b.* Rossville, Ind., May 29, 1880; *d.* Wm. A. and Margaret E. (Reed) G.; reared on farm. Special student, Purdue Univ., 4 yrs.

Gaddis, Porter L., prof. agron., Univ. Neb., Lincoln, Neb.

Asst. prof. agron. ext., Univ. Neb., 1915-7; assoc. prof., 1917-9; prof., 1919–.—*b.* Custer Co., Neb., June 13, 1885; *s.* Wm. C. and Nancy R. (Higgins) G.; reared on farm; *m.* Merle Wilson, Aug., 1909; *c.* Marion, Mildred. A.B., Greenville Coll., Ill., 1908; B.S.A., Univ. Neb., 1916.

Gage, George Edward, assoc. prof. an. path., Mass. Agr. Coll., Amherst, Mass.

Assoc. biol., Md. Exp. Sta., 1909-10; biol., 1910-1; asst. prof. an. path., Mass. Agr. Coll., 1911-2; assoc. prof., 1912–; research path., Exp. Sta., 1915–. Capt. Sanitary Corps, U. S. Army, 1918-9; head dept. serology, Cent. Med. Dept. Lab., A. E. F., France.—*b.* Springfield, Mass., Dec. 30, 1883; *s.* Wm. H. and Mary Elizabeth (Lashorn) G.; reared in city. B.A., Clark Univ., 1906; M.A., Yale Univ., 1907; Ph.D., 1909. Phi Kappa Phi; Kappa Phi.

Gaines, Edward Franklin, asst. prof. farm crops and cerealist Exp. Sta., Wash. State Coll., Pullman, Wash.

Asst. cerealist, Wash. Exp. Sta., 1911-6; cerealist, 1916–; instr. agron., Wash. State Coll., 1911-7; asst. prof. farm crops, 1917–. Rep. Wash. at Nat. Corn Show, Dallas, Tex., 1914.—*b.* Avalon, Mo., Jan. 12, 1886; *s.* Chas. Samuel and Mattie (Millay) G.; reared on farm; *m.* Xerpha Mae McCulloch, June 6, 1912; *c.* Edward M., X. Mae, John C. B.S., Wash. State Coll., 1911; M.S., 1913.

Gaines, Francis Pendleton, agrl. ed., Miss. A. & M. Coll., Agricultural College, Miss.

Instr. English, Miss. A. & M. Coll., 1914-6; assoc. prof., 1916-9; dir. serv. bur. and agrl. ed., 1919–.—*b.* Due West, S. C., Apr. 21, 1892; *s.* Wm. Arnold and Emma (Bookhardt) G.; reared in country; *m.* Sadie Duvergne Robert, Mar. 15, 1917; *c.* Francis P. Jr. B.A., Richmond Coll., 1912; M.A., Univ. Chicago, 1914. Phi Gamma Delta.

Gaines, Walter Lee, prof. milk production, Univ. Ill , Urbana, Ill.

With Univ. Ill., 1908-13, 1918–; farmer, Crete, Ill., 1915-8. (Physiology of milk production).—*b.* Crete, Ill., Mar. 17, 1881; *s.* Horatio N. and Martha A. (Adams) G.; reared on farm; *m.* Alta M. Cooper, Sept. 28, 1914; *c.* John Karl, Robt. Wm. B.S., Univ. Ill., 1908; M.S., 1910; Ph.D., Univ. Chicago, 1915. Sigma Xi; Alpha Zeta.

Gainey, Percy Leigh, assoc. prof. bact., Kans. State Agr. Coll., Manhattan, Kans.

Asst., N. C. A.&M. Coll., 1908-10; instr., Univ. Mo., 1911-4; soil bact., Kans. Exp. Sta., 1914–; asst. prof., Kans. State Agr. Coll., 1917-9; assoc. prof., 1919–. Lieut., Sanitary Corps, U. S. Army. (Soil bact.).—*b.* Fayetteville, N. C., Mar. 9, 1887; *s.* Abram and Amelia (MacNab) G.; reared on farm; *m.* Grace Trueman Deaton, Dec. 25, 1913; *c.* Janis Leigh, Philip MacNab. B.Agr., N. C., A. & M. Coll., 1908; M.S., 1910; A.M., Washington Univ., 1911. Sigma Xi; Alpha Zeta; Gamma Alpha.

Galloway, Beverly Thomas, plant path., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Asst. hort., Univ. Mo., 1884-6; asst. Sect. of Mycology, Div. Bot., U. S. Dept. Agr., 1887-8; chief Div. Path., 1888-1901; chief Bur. Plant Ind., 1901-13; asst. sec. agr., 1913-4; dean Coll. Agr., Cornell Univ., 1914-6; present position, 1916–. Fellow A. A. A. S. Agrl. explorer in Japan, China, India, N. Africa. Farmer, Md., 7 yrs.; florist and gardner, Mo., 4 yrs., Md. 5 yrs.—*b.* Millersburg, Mo., Oct. 16, 1863; *s.* Robt. M. and Jane (McGray) G.; reared in country; *m.* Agnes S. Rankin, Sept. 5, 1888; *c.* Robt. Rankin, Gordon, Beverly. B. Agr. Sc., Univ. Mo., 1884; LL.D., 1904.

Galpin, Charles Josiah, econ. in chg. rural life studies, Off. Farm Manag., U. S. Dept. Agr., Washington, D. C.

Vice-princ. Union Acad., Belleville, N. Y., 1885-8; prof. hist., Kalamazoo Coll., 1888-91; princ. Union Acad., 1891-1901 (established first course in agr. in secondary schs. of N. Y. State, 1901); first univ. pastor at Univ. Wis., 1905-11; assoc. prof. agrl., econ., Univ. Wis., 1911-9. Mem. Social Serv. Com., N. Baptist Convention, 1910-7; mem. Comn. of Country Church of Fed. Council of Churches of Christ in Amer.; sec. Wis. Country Life Conference, 1911-7. Traveled in England, Scotland, Norway, Denmark. *Auth.:* Rural Life, 1918.—*b.* Hamilton, N. Y., Mar. 16, 1864; *s.* L. Q. and Frances (Look) G.; reared in country and village; *m.* Zoe N. Wickwire, June 22, 1887. A.B., Colgate Univ., 1885; A.M., 1888; Harvard Univ., 1895; Litt.D., Colgate Univ., 1919. Phi Beta Kappa; Delta Kappa Epsilon.

Gamble, James Alexander, prof. dairy husb., Md. State Coll., College Park, Md.

Dairyman, Conn. Exp. Sta. Model Farm, 1909; milk chem. and bact., Springfield, Mass., 1909-14; market milk specialist, Bur. An. Ind., U. S. Dept. Agr., 1914-8; present position, 1918–. Supt. milk and cream exhibits, Nat. Dairy Show, 1916-8; milk judge, Nat. Dairy Show, 1916-8. Chm. dairy farm insp. com., Intern. Assoc. Dairy and Milk Insps., 1917-8.—*b.* Waupaca, Wis., Oct. 10, 1882; *s.* Jas. and Margaret (Fleming) G.; reared on farm; *m.* Florence G. Smith, Apr. 20, 1911; *c.*

Jas. Ross, Doris Nettie. B.S., Conn. Agr. Coll., 1909; M.S., Geo. Washington Univ., 1915.

Garber, Norman Eby, co. agrl. agt., Doylestown, Pa.
b. Elizabethtown, Pa., Oct. 25, 1890; *s.* Simon E. and Fannie F. (Eby) G.; reared on farm; *m.* Belle C. Kauffman, June 30, 1918. B.S., Penn. State Coll., 1916. Alpha Zeta.

Garber, Ralph John, asst. prof. agron., Univ. Minn., University Farm, St. Paul, Minn.
Instr. agr., high-sch., Morgan, Minn., 1913-5; Monticello, 1915-6; instr. agron., Univ. Minn., 1917-8; asst. prof., 1918–. (Farm crops, plant-breeding). —*b.* Deer Creek, Ill., Apr. 24, 1890; *s.* John and Lena (Oswald) G.; reared on farm; *m.* Mildred Fitschen, July 19, 1917. B.S., Univ. Ill., 1912; M.S., Univ. Minn., 1917. Sigma Xi; Gamma Sigma Delta.

Garcia, Fabian, dir. N. Mex. Exp. Sta., prof. hort., N. Mex. A. & M. Coll., State College, N. Mex.
Asst. agr., N. Mex. A. & M. Coll., 1894-1906; prof. hort., 1906–; hort., Exp. Sta., 1906-13; dir., 1913–. Pres. Dona Ana Co. Fair, 1912.—*b.* Chihuahua, Mex., Jan. 20, 1871 (naturalized 1889); *s.* Ricardo and Refugio (Rivera) G.; *m.* Julieta J. Amador, Aug. 14, 1907. B.S., N. Mex. A. & M. Coll., 1894; M.S.A., 1906; special student, Cornell Univ., 1899-1900.

Gardner, Frank Duane, prof. agron., Penn. State Coll., State College, Pa.
Asst. agr., Univ. Ill., 1891-5; sci. and soil expert, Bur. Soils, U. S. Dept. Agr., 1895-1908; chg. Porto Rico Exp. Sta., 3 yrs.; present position, 1908–. Farm operator. *Auth.:* Successful Farming, 1916; Farm Crops, their Cultivation and Management, 1918. (Soil fert. and farm manag.).—*b.* Gilman, Ill., Nov. 19, 1864; *s.* Isaac J. and Inverno (Bennett) G.; reared on farm; *m.* Ellen P. Crum, June 6, 1894; *c.* Matthias B., F. Easter, Reina E. B.S., Univ. Ill., 1891.

Gardner, Obadiah, farmer and senator, Rockland, Me.
Master State Grange, 1897-1907. Dem. candidate for governor, Me., 1908; U. S. Senator, 1911-3; assessor for Me., 1911. Chm. Amer. Sect. of Intern. Joint Comn. having chg. of all diversions and obstructions of the boundary waters marking the boundary between the U. S. and Canada.—*b.* Port Huron, Mich., Sept. 13, 1852; *s.* John and Mary (Strevils) G.; *m.* Corinna A. Sherer, Nov. 28, 1875. Grad. Eastman's Business Coll., Poughkeepsie, N. Y., Coburn Classical Inst., Waterville, Me.

Gardner, Victor Ray, prof. hort., Univ. Mo., Columbia, Mo.
Teaching fellow, Ia. State Coll., 1905-7; instr. hort., Macdonald Coll., Canada, 1907-8; asst. prof. hort., Univ. Me., 1908-11; acting head Coll. Agr., 1909-11; assoc. prof. pom., Ore. Agr. Coll., 1911-5; prof., 1915-8; present position, 1918–.—*b.* Ann Arbor, Mich., Mar. 25, 1885; *s.* Leonard B. and Ann (Parker) G.; reared in country and city; *m.* Bernice Mae Jackson, 1908. B.S., Mich. Agr. Coll., 1905; M.S.A., Ia. State Coll., 1907. Alpha Zeta.

Garey, Lewis Farr, state superv. agrl. educ., Ft. Collins, Colo.
Asst. superv. secondary sci., Teach. Coll. High-Sch., Univ. Neb., 1912-5; head agrl. dept., State Normal, Peru, Neb., 1915-7; assoc. agron., Colo. Agr. Coll., 1917-9; present position, 1919–. —*b.* Beaver City, Neb., Nov. 16, 1886; *s.* R. S. and Katherine (Farr) G.; reared on farm; *m.* Cora L. Schwenker, July 15, 1914; *c.* Carroll LaVerne. B.S., Univ. Neb., 1914; A.M., 1915. Alpha Zeta; Gamma Sigma Delta.

Garfield, Charles William, banker and farmer, Grand Rapids, Mich.
Teach. Mich. Agr. Coll., 1873-7. Mem. Mich. House of Rep., 1881-2; state Bd. Agr., 12 yrs. (trustees Mich. Agr. Coll.); pres. Mich. For. Comn., 9 yrs. Pres. Mich. For. Assoc.; treas. Mich. Civil Service League; sec. Mich. Hort. Soc., 10 yrs.; sec. Amer. Pom. Soc., 4 yrs.—*b.* Milwaukee, Wis., Mar. 14, 1848; *s.* Samuel Marshall and Harriet Eliza (Brown) G.; *m.* Jessie Robertson Smith, Nov. 24, 1897. B.S., Mich. Agr. Coll., 1870; M.S., 1873; LL.D., 1917. Phi Delta Theta.

Garman, Harrison, prof. ent., Univ. Ky., and state ent., Lexington, Ky.

Assoc. prof. zool., Univ. Ill.; pres. Amer. Assoc. Econ. Ents.; mem. exec. com., Amer. Assoc. Official Seed Analysts.; head dept. ent. and bot., Ky. Exp. Sta. (Ecology of insects).—*b.* Stephenson Co., Ill., Dec. 27, 1858; *s.* Benj. F. and Sarah A. (Griffith) G.; reared in village; *m.* Rosalie Miller, Oct. 30, 1883; *c.* Frederick, Philip. D.Sc., Univ. Ky.

Garner, C. Gordon, distr. agrl. agt., Granite Hill, Ga.

Agrl. agt. Stephens Co., Ga., 1917; swine specialist, U. S. Dept. Agr. and Univ. Mo., 1918; present position, 1920–. In U. S. Army, 1918.—*b.* Sparta, Ga., Jan. 1, 1892; *s.* G. L. and Harriet (Gheesling) G.; reared on farm. B.S.A., Univ. Ga., 1917. Alpha Zeta.

Garner, Wightman Wells, physiologist in chg. tobacco and plant nutr. invests., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Instr. chem., Tufts Coll., 1900-3.—*b.* Timmonsville, S. C., July 15, 1875; *s.* Jas. N. and Joana (Wright) G.; reared on farm; *m.* Judith Goode, Nov. 8, 1905. A.B., Univ. S. C., 1896; Ph.D., Johns Hopkins Univ., 1900. Sigma Alpha Epsilon.

Garnett, William Edward, prof. rural community problems, Univ. Ga., Athens, Ga.

Dir. agr., 6th Va. Congressional Distr. agrl. high-sch., 1912-4; organizer and conductor, Albermarle Co., Va., social and econ. survey, Va. Poly. Inst., Univ. Va. and U. S. Dept. Agr., 1915-6; asst. ext. dir., Univ. Wis., 1916; fellow sociol., 1917; prof. rural sociol. and agr., Univ. Va., summers 1917-8; asst. community organizations, N. C. State Coll., 1918; present position, 1919–.—*b.* Albermarle Co., Va., Sept. 15, 1885; *s.* Jas. M. and Cornelia (Wingfield) G.; reared on farm; *m.* Lucy Goode Puryear, Sept. 4, 1916. B.S.A., Cornell Univ., 1912; M.A., Peabody Coll., 1915; Ph.D., Univ. Wis., 1920.

Garrahan, R. H., market-gardener, Kingston, Pa.

Dir. Amer. Veg. Growers Assoc.—*b.* Avondale, Pa., Oct. 1875; *s.* M. and Margaret (Hutchison) G.; reared on farm; *m.* Mabel Keller, Oct. 2, 1901; *c.* Ralph, Jean.

Garrett, Emmett Leroy, co. agrl. agt., Coldwater, Kans.

Teach. agr. and sci., high-sch. Burlington, Kans., 1915-7; Leavenworth, 1917-9; present position, 1919–.—*b.* Butler Co., Kans., Feb. 17, 1893; *s.* Chas. Elmer and Allie Amanda (White) G.; reared on farm; *m.* Myrtle Willard Taylor, Aug. 30, 1916; *c.* Elizabeth Louise. B.S., Okla. A. & M. Coll., 1915.

Garrigus, Harry Lucian, prof. an. husb. and farm supt., Conn. Agr. Coll., Storrs, Conn.

Farm supt. and instr. dairying and vet. sci., Baron De Hirsch Sch. Agr., 1900-1; asst. agrst., Storrs Exp. Sta., 1901-2; farm supt. and instr. an. husb., 1902-15; present position, 1915–. Dir. Conn. Dairymens Assoc.; sec. Conn. Sheep Breeders Assoc.; vice-pres. New England Hereford Breeders Assoc.; sec. Conn. Horse Breeders Assoc.; dir. Eastern Berkshire Congress; supt. sheep and swine dept., Eastern States Expos., 1917–.—*b.* Wolcott, Conn., Aug. 18, 1876; *s.* J. H. and Sophronia E. (Upson) G.; reared on farm; *m.* Bertha M. Patterson, Nov. 29, 1899; *c.* Elsie M., Howard S., Russell M., Wesley P., Upson S. B.A., Conn. Agr. Coll., 1898; grad. student, Ont. Agr. Coll.

Gaskill, Ralph Hicks, manag. Essex Co. Farmers Coop. Assoc., Topsfield, Mass.

Instr. an. husb., and head dept., Bristol Co. Agr. Sch., 1913-5; agt. Bristol Co., 1915-7; with R. H. Phillips, chain grocer and milk dealer, Springfield, Mass., 1917; agt. Essex Co., 1918-20; present position, 1920–. Dir. in Mass. Fruit Growers Assoc.—*b.* Mendon, Mass., June 14, 1892; *s.* Albion A. and Abbie Frances (Hicks) G.; reared on farm; *m.* Nina Marion Taft, Aug. 17, 1915. B.S., Mass. Agr. Coll., 1913. Lambda Chi Alpha.

Gasser, George William, supt. U. S. Agr. Exp. Sta., Rampart, Alaska.

(Grain breeding).—*b.* Youngstown, O., Dec. 10, 1874; *s.* John and Verena (Gysel) G.; reared on farm; *m.* Beatrice Peck, Aug. 12, 1909. B.S., Kans. State Agr. Coll., 1905.

Gates, Burton Noble, insp. apiaries, Mass. Dept. Agr., State House, Boston, Mass.
Asst. biol., Clark Coll., 1906-7; field fellow, 1908-9; lect. beekeeping, Mass. Agr. Coll., spring, 1906-7, 8, 10; collaborator Bur. Ent., U. S. Dept. Agr., Feb.-July, 1907, 1917–; expert in apiculture and asst., 1907-10; assoc. prof. beekeeping, apiariast Exp. Sta., and state insp. apiaries for Mass. Bd. Agr., Mass. Agr. Coll., 1910-8; prof. beekeeping, Ont. Agr. Coll. and provincial apiarist, 1918-9; present position, 1919–. Fellow A. A. A. S. Ex-pres. Nat. Beekeepers Assoc.—*b.* Worcester, Mass., Dec. 19, 1881; *s.* Chas. Burton and Ida E. (Noble) G.; reared in city and country; *m.* June 15, 1918. A.B., Clark Coll., 1905; A.M., Clark Univ., 1906; Ph.D., 1909. Kappa Phi.

Gates, Charles Winslow, farmer, Franklin, Vt.
Teach., Franklin Acad., 1881-5; merchant, 1884-1905. Mem. State Senate, 1900-1; state highway comnr., 1905-15; governor of Vt., 1915-6. Pres. Franklin Co. Fair Assoc., 12 yrs.—*b.* Franklin, Vt., Jan. 12, 1856; *s.* Harrison and Loena Rebecca (Shedd) G.; reared on farm; *m.* Mary Elizabeth Hayden, Apr. 9, 1890; *c.* Edith Rebecca, Paul Hayden, Winslow Harrison.

Gates, Edgar Ashley, instr. voc. agr., high-sch., Mt. Vernon, S. D.
Sec.-treas. S. D. Voc. Agrl. Assoc. Corporal U. S. Army, 1918-9.—*b.* La-Porte City, Ia., May 21, 1893; *s.* Orrin B. and Florence (Ashley) G.; reared on farm; *m.* Marguerite McCain, Nov. 16, 1918. B.S., Ia. State Coll., 1918.

Gates, William Hazen, prof. zool. and ent., La. State Univ., Baton Rouge, La.
Biol., Mass. Fish and Game Comn., 1906-7; zool., Gulf Biol. Sta., La., 1908-10; dir., 1909-10; present position, 1909–. (Internal parasites of poultry, sheep and cattle).—*b.* India, May 11, 1883; *s.* Louis Samuel and Fannie (Hazen) G.; *m.* Theodosia Jones, June 1, 1911. A.B., Williams Coll., 1906.

Gay, Carl Warren, prof. an. husb., Ohio State Univ., Columbus, O.
Prof. vet. div., Ia. State Coll., 1901-4; asst. prof. an. husb., 1904-5; asst. prof. an. husb., Ohio State Univ., 1905-6; assoc. prof., 1906-7; prof. an. ind., Univ. Penn., 1907-16; prof. an. husb. and chm. an. ind. group, Univ. Minn., 1916-20; present position, 1920–. Manag. farm of Pa. Live-Stock Sanitary Bd., Media, 1911-6; dir. horse breeding, Pa. Dept. Agr., 1907-16. *Auth.:* Productive Horse Husbandry, 1914; Principles and Practice of Judging Live-Stock, 1914; ed., The Breeds of Live-Stock, 1916.—*b.* Waverly, N. Y., Mar. 14, 1877; *s.* Chas. Warren and Lucy (Lemon) G.; reared in town; *m.* Catherine E. Andrews, Dec. 17, 1906; *c.* Hayward Andrews, Lucy Satterlee. D.V.M., Cornell Univ., 1899; B.S.A., Ia. State Coll., 1905; fellow Cornell Univ., 1 yr. Alpha Zeta; Alpha Gamma Rho.

Gay, William Walter, teach. agr., high-sch., Wauchula, Fla.
Teach. sci., high-schs., Ala., 1910-4; Fla., 1914–.—*b.* Wadley, Ala., Nov. 29, 1883; *s.* Edgar Milford and Martha E. (Jones) G.; reared on farm; *m.* Mabel Evelyn Paschall, Aug. 21, 1912; *c.* Wm. W. Jr. A.B., Univ. Ala., 1910.

Gayle, Hubbard Kavanaugh, an. husb., Miss. Exp. Sta., Agricultural College, Miss.
Present position, 1915–.—*b.* Frankfort, Ky., Dec. 15, 1891; *s.* Clarence and Emma (Kavanaugh) G.; reared in town and on farm; *m.* Jennie Ruth Hall, May 27, 1916; *c.* H. K. Jr. B.S.A., Univ. Ky., 1914. Alpha Zeta.

Gearreald, Neal, asst. dean and registrar, John Tarleton Agrl. Coll., Stephenville, Tex.
Teach. rural schs., 1905, 1908; teach. math., Uvalde high-sch., 1909-11; prof. math., Goodnight Coll., 1915-7; prof. math., Wayland Coll., 1917-8; rep. Tex. Sta. in Fed. Soil Survey, summer 1918; prof. voc. educ., John Tarleton Agrl. Coll., 1919; present position, 1919–. Farm operator, 1912-4. (Agrl. educ., agron.).—*b.* Proctor, Tex., Jan. 6, 1885; *s.* John Dawson and Martha Helen (Williams) G.; reared on farm; *m.* Etta Mae Tull, Dec. 29, 1909; *c.* Tull Neal. Grad. John Tarleton Coll., 1909; B.S., Tex. A. & M. Coll., 1919.

Gee, Wilson, asst. dir. ext., Clemson Agr. Coll., Clemson College, S. C.

Asst. biol., Univ. S. C., 1908-9; asst. zool., Univ. Wis., 1909-11; asst. prof. zool., Clemson Agr. Coll., 1911-2; prof. biol., Univ. S. C., 1913-4; prof. biol., Emory Univ., 1914-8; present position, 1918-.—*b.* Union, S. C., Sept. 18, 1888; *s.* Reuben Thompson and Gertrude (Gist) G.; reared in town and on farm. B.S., Clemson Agr. Coll., 1908; M.A., Univ. S. C., 1910; Ph.D., Univ. Calif., 1913. Sigma Xi.

Geib, Warren Jacob, asst. prof. soils, Univ. Wis., Madison, Wis.

Soil survey field work, Bur. Soils, U. S. Dept. Agr., 1903-10; chg. work of Bur. in Wis. and Wis. Soil Survey, 1910-; asst. prof. soils, Univ. Wis., 1914-. Consulting soil specialist. Sec-. treas. Wis. Soil Improvement Assoc. *Auth.:* Hints to Homeseekers, 1913. *Ed.*-in-chief, The Journal of Soil Improvement.—*b.* Kent Co., Mich., Jan. 6, 1880; *s.* Valentine and Ellen (Bowman) G.; reared on farm; *m.* Edith R. Dresser, Sept. 28, 1904; *c.* Donna Sterling. B.S., Mich. Agr. Coll., 1902; M.S., 1915.

Gelder, Jay, co. agrl. agt., Westport, N.Y.

Farmer, Bath, N. Y., 10 yrs.; manag. Adirondack Farms, Glen Falls, 3 yrs. —*b.* Bath, N. Y., Jan. 21, 1870; *s.* Jas. and Mary (Covell) G.; reared on farm; *m.* Dora L. Huston, Aug. 12, 1897. Grad. Eastman Business Coll., Poughkeepsie, N. Y., 1893.

Gentry, Charles Burt, asst. prof. agrl. educ. and asst. state superv., Rutgers Coll., New Brunswick, N. J.

Teach. rural sch., 1 yr.; teach. high-sch. and princ., 3 yrs.; teach. agr. State Normal Sch., Conway, Ark., and manag. sch. farm, 2 yrs.; teach. agr. and manag. sch. farm, State Normal Sch., Springfield, Mo., 4 yrs.—*b.* Drexel, Mo., Oct. 3, 1884; *s.* John Henry and Sarah E. (Beaty) G.; reared on farm; *m.* Kathleen Moore, Aug. 1912; *c.* John Louis, Robt. Wilton. A.B., Warrensburg Normal Sch., 1911; B.S., Univ. Chicago, 1912; M.S.A., Cornell Univ., 1919. Phi Delta Kappa.

Gentry, Josiah Collins, co. agrl. agt., Harrodsburg, Ky.

b. Boyle Co., Ky., Apr. 5, 1873; *s.* Richard C. and Mary Ellin (Bonta) G.; reared on farm.

Genung, Albert B., farm manag. specialist, U. S. Dept. Agr. and N. H. Coll., Durham, N. H.

In chg. agrl. dept., Stamford Sem., N. Y., 2 yrs.; voc. div., N. Y. State Military Training Comn., 1 yr.; present position, 1918-.—*b.* Freeville, N. Y., Dec. 7, 1890; *s.* Homer and Lena (Stone) G.; reared in country; *m.* Mildred A. Derrick, May 30, 1914. B.S., Cornell Univ., 1913. Sigma Phi Sigma.

George, Clayton R., assoc. in dairy husb. ext., Purdue Univ., LaFayette, Ind.

Asst. an. husb., Univ. Calif., 1912-4; present position, 1914-. Sec. Ind. State Dairy Assoc.—*b.* New Lisbon, Ind., July 20, 1891; *s.* Cary and Emma Jane (Fye) G.; reared on farm; *m.* Grace Bessie Apple, June 23, 1915 (d. 1919); *c.* Mary Jane. B.Sc., Ohio State Univ., 1912.

George, D. Chauncey, state plant path. for Ariz. Comn. Agr. and Hort., Phoenix, Ariz.

Asst. plant path., Wash. Exp. Sta., 1912-7; present position, 1917-. (Parasitic diseases of long-staple cotton).—*b.* Emporia, Kans., Aug. 15, 1887; *s.* John W. and Elizabeth (Baker) G.; reared on farm; *m.* Iva B. Stratton, Aug. 14, 1913; *c.* Delbert J., Ralph L., Alice S. B.S., Wash. State Coll., 1912; M.S., 1916.

Georgeson, Charles Christian, agron. in chg. Alaska Exp. Sta., Sitka, Alaska.

Asst. ed. Rural New-Yorker, 1878-80; prof. agr. and hort., Tex. A. & M. Coll., 1880-3; prof. agr., Imperial Univ., Tokyo, Japan, 1886-9; prof. agr., Kans. State Agr. Coll., 1890-7; special agt., Off. Exp. Stas., U. S. Dept. Agr., chg. Alaska invests., 1898-1912; present position, 1912-. Fellow A. A. A. S. Special agt., U. S. Dept. Agr. to investigate dairy ind. in Denmark, 1893. (Plant-breeding).—*b.* Isl. of Langeland, Denmark, June 26, 1851 (naturalized 1880); *s.* J. C. and Jorgine (Hansen) G.; reared on farm and in village; *m.* Margaret Thompson Lovett, Jan. 2, 1882; *c.* Dagmar, Rosemary, Valdemar Lovett. B.S., Mich. Agr. Coll., 1878; M.S., 1882; D.Sc., 1916.

Gericke, William Frederick, asst. prof. soil chem., Univ. Calif., Berkeley, Calif.

Instr. soil chem., Univ. Calif., 1912-6; asst. prof., 1916–. Fellow A. A. A. S.—*b.* Fremont, Neb., Aug. 30, 1884; *s.* Chas. L. and Fredericka (Weiersausen) G.; reared on farm; *m.* Stella Agnes Hartzell, May 28, 1912. B.S.A., Ia. State Coll., 1912; M.S., Univ. Calif., 1915.

Gernert, Walter Byron, co. agrl. agt., Paris, Ill.

Asst. to asst. prof. plant-breeding, Univ. Ill., 1911-8.—*b.* Fredericksburg, Pa., Sept. 2, 1881; *s.* Hiram and Lucy (Kirst) G.; reared on farm and in town; *m.* Emma Rohweder, July 2, 1917; *c.* Jason Elbert. B.S., Kans. State Agr. Coll., 1907; M.S., Univ. Ill., 1909; Ph.D., 1911.

Getty, Robert Ellsworth, sci. asst., Off. Forage Crops, U. S. Dept. Agr., Hays, Kans.

b. Waco, Neb., May 19, 1891; *s.* Reuben F. and May Evelyn (Garton) G.; reared on farm. A.B., York Coll., Neb., 1911; B.S.A., Univ. Neb., 1913.

Geyer, Earl Walker, agron., Tex. Exp. Sta., College Station, Tex.

General farmer, O., 1903-7; dairy farmer, N. Mex., 1909-10; sci. asst., Bur. Ent., U. S. Dept. Agr., 1914-6; Bur. Plant Ind., 1916-7; agrst., Dept. Interior, Feb.-Nov., 1917; plant quarantine insp., Fed. Hort. Bd., Dallas, Tex., 1917-8; present position, 1918–.—*b.* Pomeroy, O., Sept. 25, 1886; *s.* David L. and Carolyn (Walker) G.; reared on farm; *m.* Florence Tirzah McCoy, June 19, 1917; *c.* Glenn Eugene. B.S.A., N. Mex. A. & M. Coll., 1914. Alpha Pi Alpha.

Giasson, Amedee, prof. chem., l'Ecole d' Agriculture, St. Anne-de-la-Pocatiere, Que.

Prof. Greek, Coll. de Sainte-Anne, 1916-8.—*b.* L'Islet, Que., Jan. 26, 1895; *s.* Theodore and Philia (Blais) G.; reared on farm. B.A., Laval Univ., 1915; B.Ph., 1916.

Gibson, Arthur, chief div. field crop and garden insects, Ent. Branch, Dept. Agr., Ottawa, Ont.

Fellow Ent. Soc. London; fellow Ent. Soc. Amer.; pres. Ent. Soc. Ont. *Ed.*, Canadian Field Naturalist.—*b.* Toronto, Ont., Dec. 23, 1875; *s.* Donald and Mary (Miller) G.; reared in city and country; *m.* Rachel May Haley, May 18, 1906; *c.* Elaine Elinor, Geraldine, Barbara Isabel.

Gibson, Heber Howard, prof. agrl. educ. in chg. teacher-training, Univ. Ariz., Tucson, Ariz.

Farm operator, O., 6 yrs.; Neb., 1 yr. Head dept. agr. and biol., Kearney State Normal Sch., 1915-6; dir. practice teaching in agr., Ia. State Coll., 1916-7; dir. agrl. educ., Vt., 1918-9; present position, 1919–.—*b.* Gibson, O., Sept. 18, 1884; *s.* Samuel and Ella (Hafer) G.; reared on farm; *m.* Edith Grace Pattengill, Aug., 1910; *c.* Howard, Warren. A.B., Denison Univ., 1909; A.M., Columbia Univ., 1912; student Cornell Univ., 2 yrs.

Giddings, Nahum James, prof. plant path. and plant path. Exp. Sta., W. Va. Univ., Morgantown, W. Va.

Asst. bot., Univ. Vt., 1906-9; bact., W. Va. Exp. Sta., 1909-12; plant path., 1912–; prof. plant path., W. Va. Univ., 1919–. *Assoc. ed.*, Phytopathology. (Potato late blight and apple rust fungi).—*b.* Ira, Vt., Nov. 13, 1883; *s.* Silas and Birdie E. (Green) G.; reared on farm; *m.* Amy H. Hathaway, June 15, 1907; *c.* Sylvester N. B.S., Univ. Vt., 1906; M.S., 1909; Ph.D., Univ. Wis., 1918. Phi Beta Kappa; Sigma Xi; Alpha Zeta.

Gieseker, Leonard Frederick, asst. agron., Mont. Exp. Sta., Bozeman, Mont.

Student asst. soils, Neb. Exp. Sta., 1908-9; present position, 1909–; acting agron., 1917-9. (Soil tech.).—*b.* Denver, Colo., Oct. 6, 1883; *s.* C. H. and Mary Nora (Dietz) G.; reared in town; *m.* Marjorie Beth Taylor, Nov. 27, 1910; *c.* Marjorie Norabelle, Leonard F. Jr. B.S., Univ. Neb, 1908; M.S.A., Cornell Univ., 1914. Sigma Xi; Alpha Zeta; Alpha Chi Sigma.

Gifford, John Clayton, special agt. trop. agr. and for., Cocoanut Grove, Fla.

Instr. econ. bot., Swarthmore Coll., 1890-4; for., N. J. Geol. Survey, 1895-6; asst. prof. for., Cornell Univ., 1900-

3; special agt., U. S. Dept. Agr., 1904. *Auth.:* Practical Forestry, 1901; The Everglades of Florida, 1911; Forests of New Jersey.—*b.* May's Landing, N. J., Feb. 8, 1870; *s.* Daniel and Emily (Frazier) G.; reared in small town; *m.* Edith Wright, May, 1896. B.S., Swarthmore Coll., 1890; D.OEc., Univ. of Bavaria, Munich, 1899.

Gifford, John Edwin, dir. agr. for city of Worcester and teach. agr., North High-Sch., Worcester, Mass.

Stock farmer, 20 yrs.; instr. an. husb., Essex Co. Agr. Sch., Mass., 3 yrs. Sec. Worcester Agrl. Soc., 2 yrs. Formerly co. agrl. agt., Rockville, Conn.—*b.* Brockton, Mass., Oct. 1, 1873; *s.* Thaddeus E. and Phebe E. (Brightman) G.; reared on farm; *m.* Luella Mary Dudley, Dec. 19, 1904; *c.* Chas. Edwin. B.S., Mass. Agr. Coll., 1894. Kappa Sigma.

Gilbert, Alfred Holley, research path., Vt. Exp. Sta. and potato insp., State Dept. Agr., Burlington, Vt.

Special agt., Bur. Plant Ind., U. S. Dept. Agr., 1904-5; instr. agr. and farm manag., Boston Farm Sch., 1905-6; asst., asst. prof. and assoc. prof. bot. and hort., Univ. Ky., 1907-17; path. insp., Fed. Hort. Bd., 1917-8; ext. path., U. S. Dept. Agr., 1918-9; present position, 1919-.—*b.* Dorset, Vt., Dec. 1, 1878; *s.* Chas. Bowen and Caroline (Pratt) G.; reared on farm; *m.* Mary Magdalen Hottes, Apr. 4, 1918. B.S., Univ. Vt., 1904; M.S., Univ. Wis., 1913.

Gilbert, Arthur Benson, ed. and auth., Star Bldg., Minneapolis, Minn.

Coll. teach., 6 yrs.; assoc. ed., Nonpartisan Leader and special writer for Northwestern Serv. Bur. *Auth.:* American Cities, the Methods of Business, 1918; Making the Farm Pay, 1920.—*b.* Croton Lake, N. Y., Nov. 27, 1887; *s.* Chas. B. and Eleanor (Titus) G.; *m.* Helen Churchill Durgin, July 28, 1914. B.A., Yale Univ., 1910; M.A., Western Reserve Univ., 1914.

Gilbert, Arthur Witter, comnr. agr., Mass. Dept. Agr., State House, Boston, Mass.

Instr. agr. and superv. ext. courses, Univ. Me., 1905-6; asst. prof. agron., 1906-7; fellow Cornell Univ., 1907-8; asst. prof. plant-breeding, Cornell Univ., 1909-11; prof., 1911-6; sec. agrl. dept., Chamber of Commerce, Boston, Mass., 1916-9. Dir. Chautauqua Sch. Practical Agr., summers, 1908-10. Fellow A. A. A. S. Mem. council, Amer. Genetic Assoc.; sec. N. Y. Plant Breeders Assoc. Milk administrator of New England and sec. New England Regional Milk Comn. Farm operator. *Auth.:* (with Bailey) Plant-Breeding, 1915; The Potato, 1917.—*b.* W. Brookfield, Mass., Apr. 20, 1882; *s.* Lewis A. and Louise (Brigham) G.; reared on farm and in town; *m.* Susan Grace Cooper, June 8, 1910; *c.* Vincent Cooper, Ann Louise, Patricia Lamouroux. B.S., Mass. Agr. Coll., 1904; B.S., Boston Univ., 1904; M.S.A., Cornell Univ., 1905; Ph.D., 1909. Sigma Xi; Phi Kappa Phi; Alpha Sigma Phi; Alpha Zeta.

Gilbert, Boyd Duane, co. agrl. agt., Bd. of Trade Bldg., Scranton, Pa.

b. Rodman, N. Y., Apr. 16, 1885; *s.* Wm. R. and Estelle M. (Brown) G.; reared in village; *m.* Lena F. Butler, June 11, 1912. B.S.A., Cornell Univ., 1910.

Gilbert, Ernest H., dir. Norfolk Co. Agrl. Sch., Walpole, Mass.

Overseer Mass. State Grange; mem. bd. trustees, 1916-20. Sec. Norfolk Co. Farm Bur., 1915-6. Dairyman, 1890-1903; poultryman, 1903-19.—*b.* Stoughton, Mass., May 11, 1868; *s.* Myron and Harriet A. (Drake) G.; reared on farm; *m.* Amy E. Smith, June 29, 1903. Student, Burdett Business Coll.

Gilbert, George Henry, dir. Bristol Co. Agrl. Sch., Segreganset, Mass.

b. Barre, Mass., Jan. 1, 1879; *s.* Wm. and Rosa M. (Goss) G.; reared on farm; *m.* Florence M. King, Dec. 15, 1913; *c.* Florence Beatrice. Ph.B., Boston Univ., 1901; grad. work Mass. Agr. Coll. Theta Delta Chi.

Gilbert, William Williams, plant path., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Asst. in bot., Univ. Vt., 1903-4; special agt., U. S. Dept. Agr., 1904-5; sci. asst., 1905-8; asst. path., 1908-12; path., 1913-. Fellow A. A. A. S. (Cotton and truck crop diseases).—*b.* Dorset, Vt., Sept. 17, 1880; *s.* Frederick F. and

Mary (Williams) G.; reared on farm; *m.* Ottonie Elisabeth Ulrickson, June 24, 1907; *c.* Henry Philip. B.S.A., Univ. Vt., 1904; M.S., 1909; grad. student Univ. Wis., 1912, Geo. Washington Univ., 1913-4, Columbia Univ., 1914-5. Phi Beta Kappa.

Gilbertson, Henry Walter, asst. in adminis. of co. agt. work, States Relations Serv., U. S. Dept. Agr., Washington, D. C.

Princ. graded schs., Minn., 1905-7; farm manag. invest., U. S. Dept. Agr., 1911-2; agrl. agt. Sussex Co., N. J., 1913-4; present position, 1915–.—*b.* Rock Co., Minn., Nov. 19, 1881; *s.* Lewis H. and Mary (Qualley) G.; reared on farm; *m.* Maud Hubbard, 1911; *c.* Gertrude, Warren, Kenneth. B.S.A., Univ. Minn., 1910; M.S.A., Cornell Univ., 1911.

Giles, John Kyrgess, asst. dir. ext., Univ. Ga., Athens, Ga.

Distr. agrl. agt., 1912; state agt. boys' clubs, 1913-7; present position, 1917–. (Agron. and rural sociol.).—*b.* Douglasville, Ga., Feb. 26, 1884; *s.* F. M. and Georgia (Griffith) G.; reared on farm. B.S.A., Univ. Ga.

Gilkey, Royal, teach. agr., high-sch., Greene, N. Y.

Tech. asst., Bur. Farmers Insts., N. Y. State Dept. Agr. and clerk dairy products dept., N. Y. State Fair, 1909-11; instr. and superv. mailing room, Coll. Agr., Cornell Univ., 1911-4; officer, Sch. for Leadership in Country Life, 1912-4; asst. prof. in ext. serv. and superv. reading courses for the farm, 1914-9; asst. prof. pom., summer, 1918. —*b.* Watertown, Mass., Mar. 17, 1886; *s.* Jas. H. and Mary L. (Johnson) G.; reared in town and country; *m.* Eunice W. Jackson, Jan. 20, 1914; *c.* Eunice W., Royal C. B.S.A., Cornell Univ., 1908. Alpha Zeta.

Gill, Charles O., clergyman, 104 N. 3d St., Columbus, O.

Foreign missionary in Peking, China, 1895-7; Congregational pastor, Westmore, Jericho Center, Hartland, Vt., W. Lebanon, N. H., 1893-5, 1897-1909; rural church invest., Fed. Council of Churches of Christ in Amer., 1913-8. Mem. Amer. Comn. to Europe for study coop.; sec. comn. on church and country life, Fed. Council of Churches of Christ in Amer., 1915-20. Superv., Vt. and N. H. Sect. of Rural Branch of Survey Dept., Interchurch World Movement, 1919–. Collaborator (with Pinchot) The Country Church, 1913; 6000 Country Churches.—*b.* Walpole, Mass., Mar. 4, 1868; *s.* John and Ellen (Metcalf) G.; reared in city and on farm; *m.* Mary A. Nelson, Sept., 1895; *c.* Laura Metcalf, Stanley, Chas. F. A.B., Yale Univ., 1889; B.D., Union Theol. Sem., 1894. Delta Kappa Epsilon.

Gillette, Clarence Preston, head dept. zool. and ent. and dir. Exp. Sta., Colo. Agr. Coll., Fort Collins, Colo.

Asst. zool. and ent., Mich. Agr. Coll., 1887; ent., Ia. Exp. Sta., 1888-90; head dept. zool. and ent., Colo. Agr. Coll., 1891–; dir. Colo. Exp. Sta., 1910–; state ent., Colo., 1907–. Fellow A. A. A. S. (Aphididae).—*b.* Lyons, Mich., Apr. 7, 1859; *s.* Wm. H. and Larissa E. (Preston) G.; reared on farm; *m.* Clara M. Smith, Mar. 31, 1886; *c.* Florence M., Nola Esther. B.S., Mich. Agr. Coll., 1884; M.S., 1889; D.Sc., 1917. Sigma Xi; Alpha Zeta.

Gillette, Lester S., farmer, Fostoria, Ia.

Instr. dairy husb., Ia. State Coll., 1914-5; asst. prof., 1915-7; assoc. prof. in chg., 1917-9.—*b.* Fostoria, Ia., June 28, 1892; *s.* Wm. R. and Eunice (Ulrey) G.; reared on farm; *m.* Cecilia E. Murray, Oct. 11, 1917; *c.* Jean Louise. B.S., Ia. State Coll., 1913; A.M., Univ. Mo., 1914. Sigma Xi; Phi Kappa Phi; Delta Sigma Rho; Alpha Zeta.

Gilmore, Frank Forster, ed. Inland Farmer, Louisville, Ky.

State dir. Nat. Market and Farm Credits Assoc. Dir. Ky. Alfalfa Growers Assoc. Rice-grower, S. C., 5 yrs.; farmer and dairyman, Ky., 8 yrs.—*b.* Griffin, Ga., Apr. 10, 1856; *s.* Thos. K. and Anna Eliza (Forster) G.; reared in country; *m.* Alice Forster, Jan. 8, 1881; *c.* F. F. Jr., Alice F.

Gilmore, John Washington, prof. agron., Univ. Calif., Berkeley, Calif.

Asst. to dir. Hupeh Agr. Sch., Wuchang, China, 1898-1900; instr. agr., Normal Sch., Honolulu, H. I., 1900-1; organizer agrl. schools, Manila, P. I., 1901-2; instr. to asst. prof. agron., Cor-

nell Univ., 1902-7; prof. agron., Penn. State Coll., 1907-8; pres. Coll. of Hawaii, Honolulu, 1908-13; present position, 1913–. Fellow A. A. A. S. Mem. Jury Awards, Panama-Pacific Expos., 1915.—*b.* White Co., Ark., May 9, 1872; *s.* Thos. Griffin and Emily Frances (Landrum) G.; reared on farm; *m.* Elizabeth M. Hitchcock, Aug. 23, 1900; *c.* J. Landrum, Raymond M., Harold V. B.S.A., Cornell Univ., 1898; M.S.A., 1906. Sigma Xi; Alpha Zeta.

Gilmore, William James, prof. farm mech., Ore. Agr. Coll., Corvallis, Ore.
Asst. prof. agrl. engin., Man. Agr. Coll., 1911-5; asst. prof. farm mech., Ore. Agr. Coll., 1915-6; prof., 1916–. In chg. Fed. threshing machine smut explosion and collection invests. of Pacific Northwest. Del. to Agrl. Engin. Convention, Chicago, 1914; Road Conference, Ia. State Coll., 1914.—*b.* Ames, Ia., Aug. 8, 1884; *s.* W. J. and Jerusha (Norton) E.; reared on farm; *m.* Faith H. Clark, Aug. 23, 1911; *c.* Junior. B. of C.E., Ia. State Coll., 1909; B.S., in A.E., 1911. Phi Kappa Psi.

Giltner, Ward, prof. bact. and hygiene and bact. Exp. Sta., Mich. Agr. Coll., E. Lansing, Mich.
Farm operator, 1901-3; instr. bact. and asst. vet. sci., asst. state vet., Ala. Exp. Sta., 1906-8; research asst. bact. and instr., Mich. Agr. Coll., 1908-12; acting prof. bact. and hygiene, 1912-5; prof., 1915–. State vet. of Mich., 1912-4; mem. State Vet. Registry Bd., 1915. *Auth.:* Laboratory Manual in General Microbiology, 1916. (Abortion in cattle; rural sanitation).—*b.* Ithaca, N. Y., Apr. 5, 1882; *s* Richard Dana and Frances Victoria (Knickerbocker) G.; reared on farm and in city; *m.* Mabel A. Decker, Dec. 20, 1902; *c.* Dorothy D., Alice, Elizabeth, Wm. Ward. D.V.M., Cornell Univ., 1906; M.Sc., Ala. Poly. Inst., 1908. Sigma Xi; Alpha Psi; Alpha Zeta.

Girard, Roy Donald, co. agrl. agt., Tipton, Ind.
Farmer and stockman, Butler, Ind., 1915, Tipton, 1916-9.—*b.* Idaville, Ind., Sept. 15, 1890; *s.* Chas. E. and Margaret Ann (Shafer) G.; reared on farm; *m.* Eva May Scroggs, Feb. 10, 1915; *c.* Mary Margaret. B.S.A., Purdue Univ., 1914. Alpha Zeta.

Gist, Frank Whittaker, field agt., U. S. Bur. Crop Estimates, Montgomery, Ala.
Publisher weekly newspaper, 1884-1900. (Agrl. statistics).—*b.* Grenada, Miss., Jan. 28, 1866; *s.* Sam H. and Rosa (Greene) G.; reared on farm; *m.* Mrs. Minnie J. Hardy, June 13, 1892; *c.* Lillian Beryl. Grad. Pratt Acad., Six Mile, Ala.

Gittinger, Blanche Wadsworth, home dem. agt., Bel Air, Md.
Teach. household arts, Lewisburg Sem., W. Va., 1916-7; home dem. agt. Lake Co., Tenn., 1917-8; Harford Co., Md., 1918–.—*b.* Frederick, Md., Sept. 2, 1895; *d.* Geo. Mantz and Emelia Augusta (Simmons) G.; reared in town. B.S., Teachers Coll., Columbia Univ., 1916.

Gladwin, Fred E., assoc. hort., N. Y. State Exp. Sta., Vineyard Lab., Fredonia, N. Y.
Teach. biol., high-sch., Dallas, Tex., 1904-7. Fruit-grower, Silver Creek, N. Y., 1911-20. (Viticulture).—*b.* N. Y. Mills, N. Y., Sept. 3, 1877; *s.* F. A. and Mariam (Irons) G.; reared in village and on farm; *m.* Florence Simmons, Dec. 7, 1904; *c.* Frederic J. B.S., Univ. Rochester, 1914. Theta Delta Chi.

Glassco, Roy Thomas, co. agrl. agt., Janesville, Wis.
Manag. state farm, Geneva, Ill., 1915-7; teach. agr., high-sch., Rockford, Ill., 1917-9; present position, 1919–. (Dairying and hogs).—*b.* Tuscola, Ill., Sept. 7, 1883; *s.* G. M. and Sarah (Bond) G.; reared on farm; *m.* Verna May Alverson, Aug. 28, 1918; *c.* Raymond Geo. B.S., Univ. Ill., 1915.

Glasson, Edwin James, specialist in hort. and for. and assoc. ed. Experiment Station Record, States Relations Serv., U. S. Dept. Agr., Washington, D. C.
b. Troy, N. Y., Sept. 6, 1878; *s.* John and Agnes Allen (Pleming) G.; reared in city; *m.* Bertha Herman Mullikin, Sept. 21, 1906; *c.* Elizabeth Pleming, Jas. Herbert. B.S.A., Cornell Univ., 1903. Alpha Zeta.

Glenn, Charles Cranston, in chg. U. S. Ostrich Farm, Glendale, Ariz.
Former dir., sec.-treas. Percheron Registry Co. and French Coach Horse

Registry Co.—*b.* Columbus, O., Apr. 20, 1871; *s.* Chas. Scott and Sallie Ann (Gorrell) G.; reared in town; *m.* Olive-Branch Messick, July 19, 1905; *c.* Frances.

Glover, Arthur James, editorial manag., Hoard's Dairyman, Ft. Atkinson, Wis.

Farmer, Dak., 2 yrs.; Minn., 10 yrs.; asst. prof. dairy husb., Univ. Ill., 3½ yrs. Mem. agrl. com., Wis. State Council Defense; pres. Wis. Dairy Council. (Dairy farming).—*b.* Zumbro Falls, Minn., Apr. 3, 1873; *s.* Jas. B. and Olive (Whaley) G.; reared on farm; *m.* Mayme L. Scofield, Dec. 25, 1899; *c.* Robt. B., Arthur J., Wilbur H., Myra L. B.Agr., Univ. Minn.

Glover, George Henry, head div. vet. med., Colo. Agr. Coll., Ft. Collins, Colo.

Practised in Denver, 1887-91; insp. on Nation Cattle Trail, 1891-1900; present position, 1900–. City food insp., Ft. Collins, 1907–. Pres. Amer. Vet. Med. Assoc., 1911; pres. Colo. Vet. Med. Assoc., 1909; pres. Amer. Vet. Assoc. of Coll. Faculties and State Examining Bds., 1911.—*b.* Waterloo, Ia., Apr. 2, 1864; *s.* Russell Bliss and Emily Cook (Garland) G.; *m.* Margaret J. Glover, Nov. 19, 1887; B.S., Colo. Agr. Coll., 1884; M.S., 1903; D.V.M., Ia. State Coll., 1885. Alpha Psi.

Gobble, Carl Flindt, asst. prof. an. husb., Purdue Univ., LaFayette, Ind.

Student asst. farm crops, Ia. State Coll. Traveled in Europe.—*b.* Abingdon, Ia., Sept. 7, 1885; *s.* Lee T. and Margaret (Flint) G.; *m.* Cecilia M. Greenleaf, June 18, 1913; *c.* Virginia, Jas. Lawrence. B.S., Ia. State Coll., 1911. Delta Upsilon; Alpha Zeta.

Goddard, Annie Bell, home dem. agt., Harrodsburg, Ky.

Teach. Beaumont Coll., 1893-1902; Bourbon Coll., 1905-11; farming, 1911-6.—*b.* Mercer Co., Ky., Mar. 1, 1862; *d.* T. C. and Sarah (Connor) Bell; reared in town; *m.* Nick Goddard, 1883; 2d, Glave Goddard, 1911; *c.* Pauline Bell, Wm. Bell. A.B., Georgetown Coll., 1882.

Goddard, Loring Hapgood, farmer, Washington C. H., O.

Organized ext. dept., Ohio Exp. Sta., 1904-13; organized farm manag. dem., U. S. Dept. Agr., 1913-8.—*b.* Washington Co., O., Dec. 21, 1868; *s.* George Rodney and Esther Jane (Smith) G.; reared on farm; *m.* Ina Belle Rogers, Aug. 15, 1894; *c.* Verz Rogers. C.E., Ohio State Univ., 1892.

Gold, Arthur Alfred, chief hort., State Dept. Agr., Charleston, W. Va.

Farmer, nurseryman and fruit-grower, W. Va., 20 yrs.; pres. and gen. manag., W. Va. Orchard Developing Co.—*b.* Athens Co., O., Jan. 29, 1885; *s.* A. F. and Ida (Marshall) G.; reared on farm.

Gold, Charles Lockwood, farmer, W. Cornwall, Conn.

Pres. Conn. Pom. Soc.; pres. Conn. Sheepbreeders Assoc. (Fruit-growing). —*b.* Cornwall, Conn., Apr. 14, 1863; *s.* Theodore Sedgwick and Emma (Tracy) G.; reared on farm; *m.* Clara Sedgwick; *c.* Theodore Sedgwick, Jas. Douglass, Benj. Cleveland. Ph.B., Yale Univ., 1883.

Gomme, William Henry Francis, co. agrl. agt., Bartow, Fla.

Employed at Royal Bot. Gardens, England, 1895-1903; part owner and general manag., Oakhurst Nursery Co., Jennings, La., 1903-6; manag. Exp. Farm, Heywood Oil Co., San Benito, Tex., 1906-7; asst. farm supt. and expert, U. S. Dept. Agr., 1907-15; dem. agt. Lake Co., Fla., 1915-9; distr. agt., S. Fla., Jan.-June, 1919; agt. Polk Co., 1919–. Traveled in Europe. (Hort.).—*b.* Hampshire, England, June 1881 (naturalized 1910); *s.* Frank and Alice (Embleton) G.; *m.* Martha Putnam, Oct. 1905; *c.* Elmer. Educ. London Philological Coll. and Royal Bot. Garden Sch.

Good, Edwin Stanton, prof. an. husb. and chm. an. ind. group, Univ. Ky., Lexington, Ky.

Instr. and invest. beef cattle, Univ. Ill., 1903-6. Invest. live-stock conditions in Europe, 1905.—*b.* Clarence Center, N. Y., Mar. 16, 1871; *s.* John and Esther (Hummel) G.; reared on farm; *m.* Louise Austin Millikan; *c.* John Wolcott. B.S., Mich Agr. Coll., 1903; M.S., Univ. Ill., 1906. Sigma Xi; Alpha Zeta.

Good, William Charles, farmer, Paris, Ont.

Asst. chem., Ont. Agr. Coll., 1902-3; farmer, 1903–; lect. on rural econ., Macdonald Coll., 1913-4. Pres. United Farmers Coop. Co., 1914; vice-pres. Brant Farmers Coop. Soc., 1918. *Auth.:* Production and Taxation in Canada, 1919. (Rural sociol. and econ.).—*b.* near Brantford, Ont., Feb. 24, 1876; *s.* Thos. Allen and Mary Addington (Ballachey) G.; reared on farm; *m.* Jean Fairbairn McCormick, Dec. 3, 1908; *c.* Elizabeth A., Allen C., Wm. A., Norman E. B.A., Univ. Toronto, 1900.

Goode, Robert James Jr., farmer, Gastonburg, Ala.

Farmer and stockman, 1919–; in insurance business, 1912–. Mem. Ala. Legislature, 1915-9; mayor Gastonburg, 1910-4. Mem. Ala. State Live Stock Sanitary Bd., 1915–; sec. Ala. Hereford Cattle Breeders Assoc. (Registered Hereford cattle).—*b.* Prairie, Ala., Aug. 2, 1888; *s.* R. J. and Annie L. (Gaston) G.; reared in town; *m.* Grace E. Pugh, Apr. 24, 1912; *c.* Sarah Emily, Josephus Pugh. A.B., Marion Inst., 1908; B.S., Univ. Penn., 1910. Delta Kappa Epsilon.

Goodell, Carrol John, leader in an. husb. ext., Miss. A. & M. Coll., Agricultural College, Miss.

Farm manag., Lews McNutt, Brazil, Ind., 1909-10; farmer, Ill., 1910–; asst. in foot-and-mouth disease eradication, Mass., 1914; chg. beef cattle ext., Univ. Ga., 1914-6.—*b.* Sheldon, Ill., Mar. 19, 1888; *s.* Chas. J. and Helen Maie (Isaacson) G.; reared on farm; *m.* Josephine M. Barsalon, June, 1910; *c.* Helen Maie. Student Valparaiso Univ. and Purdue Univ. Alpha Gamma Rho; Alpha Zeta.

Goodman, Alpheus Mansfield, dairy husb. in chg. Denison Dairy Dem. Farm, Denison, Tex.

b. Salisbury Mills, N. Y., Jan. 29, 1885; *s.* Alpheus and Eunice (Dennisston) G.; reared on farm; *m.* Clara Witmer Browning, July 12, 1916; *c.* Clara Ellsworth. B.S.A., Cornell Univ., 1912.

Goodwin, Ozias T., assoc. prof. dairy manufactures, Mich. Agr. Coll., E. Lansing, Mich.

Instr. an. husb., Univ. Ga., 1913-5; adj. prof., 1915-8; ext. specialist dairy manufactures, Mich. Agr. Coll., 1918-9; present position, 1919–. (Butter, ice-cream).—*b.* Ionia, Mich., Jan. 27, 1889; *s.* C. I. and Sophia (Ursula) G.; reared on farm; *m.* Corrine Wolverton, Aug. 22, 1917; *c.* Agnes Sophia. B.S.A., Mich. Agr. Coll., 1913. Alpha Zeta.

Goodwin, William Ransdell, manag. ed. The Breeders' Gazette, Chicago, Ill.; 1863-Apr. 4, 1919. See Rus 1918.

Gordon, Morris Meriwether, farmer, R. F. D. 4, Clarksville, Tenn.

Dairy farmer, Va., 1 yr.; manag. commercial orchard, Tenn., and farmer, 4 yrs.; co. agrl. agt., Fulton, Ky., 1917-9.—*b.* Todd Co., Ky., Feb. 7, 1891; *s.* Jas. Morris and Nancy (Meriwether) G.; reared on farm; *m.* Mollie Ferguson, Apr. 2, 1918; *c.* Morris M. Jr. B.A., Wilmington Coll., O., 1909; B.S.A., Bethany Coll., W. Va., 1917. Kappa Alpha.

Gordon, William Catron, vice-pres. Farmers Savings Bank, Marshall, Mo.

Teach. Latin and Greek, Cent. High-Sch., St. Paul, Minn., 1900-2; Cent. High-Sch., Kansas City, Mo., 1902-8. Pres. Mo. Bankers Assoc., 1915-6, chm. agrl. com., 1919-20; mem. exec. council, Amer. Bankers Assoc., 1917-20, mem. agrl. comn., 1915–. Manag. 12th distr. Mo. War Loan organization.—*b.* Waverly, Mo., Aug. 11, 1878; *s.* Jas. A. and Margaret E. (Catron) G.; reared in town; *m.* Leonora Yeager, June 22, 1904; *c.* Wm. C. Jr., Mary Margaret. A.B., Mo. Valley Coll., Marshall, 1898; A.B., Harvard Univ., 1899; A.M., 1900.

Gore, Howard Mason, stockman and farmer, Clarksburg, W. Va.

Dir. Nat. Fed. Farm Burs.; pres. W. Va. Live Stock Assoc. Asst. state food adminis. (Beef cattle).—*b.* Clarksburg, W. Va., Oct. 12, 1877; *s.* Solomon D. and Marietta P. (Rogers) G.; reared on farm; *m.* Roxie C. Bailey. A.B., W. Va. Univ., 1900. Phi Sigma Kappa.

Gore, Thomas Pryor, senator, Lawton, Okla.

Sch. teach., 1890-1; began practice of law in Miss., 1892; removed to Tex., 1895. Mem. Okla. Territorial Council,

1903-5; U.S., Senator from Okla., 1907-9, 1909-21. Mem. exec. com., Dem. Nat. Com., 1912–. Mem. U. S. Rural Credit Comn.; chm. com. on agr. and for., U. S. Senate, 63, 64, 65 Congresses. —*b.* Webster Co., Miss., Dec. 10, 1870; *s.* Thos. Madison and Carrie Elizabeth (Wingo) G; *m.* Nina Kay, Dec. 27, 1900. B.L., Cumberland Univ., Tenn., 1892.

Gorham, Alexander Campbell, dir. elementary agrl. educ. in rural schs. of N. B., Sussex, N. B.

Formerly asst. prof. hort. and manag. veg. gard. dept., Macdonald Coll., Que. —*b.* St. John, N. B., Jan. 28, 1887; *s.* Geo. and Sarah (Campbell) G. B.S.A., McGill Univ., 1913; M.Sc., Cornell Univ., 1919.

Gorham, Willis Ray, asst. prof. agrl. ext., Penn. State Coll., State College, Pa.

Manag. Hall Farms, Halls, Pa., 1905-18; Elizabeth Farms, Brickerville, Pa., 1910-3.—*b.* Coudersport, Pa., Nov. 4, 1879; *s.* Chas. W. and Anner (Clark) G.; reared on farm; *m.* Josephine Homer, Nov. 25, 1916; *c.* Fordyce Homer. B.S., Penn. State Coll., 1904. Alpha Zeta.

Gorrell, Alphonso, instr. voc. agr., high-sch., Mexico, Mo.

Asst. prof. agr., Springfield Teachers Coll., 1918; Warrensburg State Teachers Coll., 1918-9; present position, 1919–.—*b.* El Dorado Springs, Mo., Dec. 6, 1888; *s.* J. T. and Mary Evoline (Madaus) G.; reared on farm; *m.* Ethel Harvey, Apr. 7, 1917; *c.* Jessie Lee. B.S., Univ. Mo., 1916. Alpha Gamma Rho.

Gortner, Ross Aiken, prof. agrl. bio-chem. and chief div. agrl. bio-chem. Exp. Sta., Univ. Minn., St. Paul, Minn.

Research asst. agrl. chem., Univ. Neb., 1906-7; asst. chem., Faculty Arts, Univ. Toronto, 1907-8; resident invest. biol. chem., Sta. for Exp. Evolution of Carnegie Inst. of Washington, Cold Spring Harbor, N. Y., 1909-14; assoc. prof. soil chem., Univ. Minn., and assoc. soil chem. Exp. Sta., 1914-6; assoc. prof. agrl. biochem. and assoc. agrl. biochem. Exp. Sta., 1916-7; present position, 1917–. Fellow Chem. Soc., London,; fellow A. A. A. S.; mem. Société Chemique (France). *Asst. ed.*, Chemical Abstracts, Bio-Chem. Bull. (Chem. of proteins and colloids).—*b.* near O'Neill, Neb., Mar. 20, 1885; *s.* Joseph Ross and Louisa E. (Waters) G.; reared on farm; *m.* Catherine V. Willis, Aug. 4, 1909; *c.* Elora Catherine, Ross Aiken Jr., Willis Alway, Alice Louise. B.S., Neb. Wesleyan Univ., 1907; M.A., Univ. Toronto, 1908; Ph.D., Columbia Univ., 1909. Sigma Xi; Phi Lambda Upsilon; Alpha Zeta; Gamma Sigma Delta; Phi Kappa Phi.

Goss, Chester Allen, assoc. ed. Successful Farming, Des Moines, Ia.

Head dept. agr., Drake Univ., Des Moines, Ia., 1915-6; present position, 1916–. (Live-stock and dairying).—*b.* Huron, S. D., Aug. 21, 1892; *s.* Geo. P. and Edna (Fox) G.; reared on farm; *m.* Edna Nichols, Dec. 28, 1916. B.S.A., Ia. State Coll., 1915. Sigma Delta Chi.

Goss, Emery Fox, assoc. prof. dairying, Ia. State Coll., Ames, Ia.

Asst. prof. dairying, Univ. Ida., 1916-7; assoc. prof., 1917-9; present position, 1919–. (Dairy manufactures).—*b.* Huron, S. D., Feb. 23, 1891; *s.* Geo. P. and Edna Belle (Fox) G.; reared on farm; *m.* Amy L. Middleton, Aug. 10, 1916. B.S., Ia. State Coll., 1915; M.S., 1916. Phi Kappa Phi; Phi Lambda Upsilon.

Goss, Leonard Whittlesey, prof. path., Kans. State Agr. Coll., Manhattan, Kans.

Asst. vet. sc., Kans. State Agr. Coll., 1905-7; instr., 1907-9; asst. prof., 1909-13; prof. path., 1913–. State sec. for Amer. Vet. Med. Assoc.—*b.* Edinburg, O., Apr. 26, 1877; *s* Ambrose S. and Clara (Whittlesey) G.; reared in village; *m.* Florence Joyce, Sept. 7, 1908; *c.* Clara Louise. Leonard Joyce. D.V.M., Ohio State Univ., 1905; student Berlin Vet. Coll., 1911-2. Alpha Psi; Phi Kappa Phi.

Goss, Winfield Scott, co. agrl. agt., Emporia, Va.

Asst. princ. Ives Sem., Antwerp, N. Y., 1890-1; prof. Latin and Greek, Straight Univ., New Orleans, 1891-4; pres. Tillotson Coll., Austin, Tex., 1894-6; dean and prof. Latin, Tallagega Coll., Ala., 1896-1904; prof. agr., 1904-8;

manag. coll. farm, Warsaw, Ind., 1908-16.—*b.* Concord, Vt., Apr. 12, 1861; *s.* Levi and Martha (Chase) G.; reared on farm; *m.* Laura M. Messick, May 24, 1894; *c.* Richard M., Theodore C. A.B., Wesleyan Univ., 1890.

Gossard, Harry Arthur, ent., Ohio Exp. Sta., Wooster, O.
Asst. ent., Ia. Exp. Sta., 1890-2; princ. Albion Sem., 1893-5; instr. sci., high-schs., Rochester, Minn. and Princeton, Ill., 1895-8; prof. ent., zool. and geol., Univ. Fla., 1899-1904; ent., Fla. Exp. Sta., 1899-1904; present position, 1904–; non-resident prof. econ. ent., Ohio State Univ., 1917–. Fellow A. A. A. S. Copartner in Summit Nurseries, Monticello, Fla., 1904-19; vice-pres., 1919–. (Relation of insects to transmission of veg. diseases).—*b.* Ames, Ia., Feb. 7, 1868; *s.* Thos. M. and Sarah J. (Emery) G.; reared on farm; *m.* Lora H. Clark, July 21, 1903; *c.* Atherton Clark, Thos. Emery, Harold Arthur. B.S., Ia. State Coll., 1889; M.S., 1892. Phi Kappa Phi.

Gottenberg, Mabel Jones, home dem. agt., Hayward, Calif.
Teach. high-sch., Lodi, Calif., 1914-6; Sonoma, 1916-8; San Luis Obispo Poly., 1918-9; present position, 1919–. —*b.* Beatrice, Neb., Oct. 22, 1890; *d.* Sidney D. and Mary (Ditmars) Jones; reared on farm; *m.* Emmet W. Gottenberg, Dec. 20, 1919. B.S., Univ. Calif., 1913. Alpha Gamma Delta.

Gould, Harris Perley, pom., U. S. Dept. Agr., Washington, D. C.
Asst. hort., Me. Exp. Sta., 1892-6; asst., Cornell Univ. Exp. Sta., 1897-8; nursery and orchard insp., N. Y. State Dept. Agr., 1898-9; asst. ent., Md. Agr. Coll. and Exp. Sta., 1899-1900; acting ent. and asst. hort., 1901; asst. pom. and pom., U. S. Dept. Agr., 1901–. Sec. Md. State Hort. Soc., 1901. *Auth.:* Peach-Growing, 1918.—*b.* North Bridgton, Me., Sept. 6, 1871; *s.* Chas. H. and Bethia S. (Wadsworth) G.; reared on farm; *m.* Alice H. Peabody. Apr. 24, 1905; *c.* Lawrence P. B.S., Univ. Me., 1893; M.S., Cornell Univ., 1897. Beta Theta Pi.

Gould, Walter Hollis, minister, Cambridge, Vt.
Distr. sch. teach., Lunenburg, Vt., 1904-5; bookkeeper and head clerk, Taft & O'Dell Fuel Co., Montpelier, 1907-8; princ. grammar sch., W. Barnstable, Mass., 1917; pastor Community Methodist Church, Cambridge, Vt., 1917–. Designated "Rural Liberty Pastor" for services in Liberty Loan campaigns.—*b.* Danville, Vt., June 19, 1885; *s.* John Spencer and Carrie May (Gould) G.; reared on farm; *m.* Eva Thompson. June 3, 1915; *c.* Lois Parker. B.S., Univ. Vt., 1914; S.T.B., Garrett Biblical Inst., 1916. Phi Mu Delta.

Gourley, Joseph Harvey, prof. hort., N. H. Coll. and vice-dir. Exp. Sta., Durham, N. H.
Asst. hort., Ohio Exp. Sta., 1908-10; asst. prof. hort., Ohio State Univ., 1910-2; present position, 1912–. Vice-pres. Amer. Pom. Soc. for N. H. (Soil fert. problems of orchard, flower-bud formation).—*b.* Homer City, Pa., July 1, 1883; *s.* John and Lizie (Harvey) G.; reared in town; *m.* Lucy M. Kinney, June 7, 1911; *c.* Margaret Anita. B.S.. Ohio State Univ., 1908; M.S., 1915. Sigma Xi; Alpha Zeta.

Gowell, Roger Locke, co. agrl. agt., Warren, Me.
(Live-stock).—*b.* Waterford, Me., Nov. 21, 1893; *s.* Wm. H. and Elizabeth M. (Locke) G.; reared on farm; *m.* Ella F. Sampson, 1919. B.S., Univ. Me., 1916. Alpha Zeta.

Grabel, Robert Elmer, sec. Chamber of Commerce, Anderson, S. C.
Pres. Boys' Ind. Sch., Ogburn, Tex., 1897-1908; sec., business manag., Grubbs' Ind. Coll., Campbell, Tex., 1908-10; business manag. and prof. agrl. commerce, E. Tex. Normal Coll., 1910-1; agrl. agt., Southern Ry., 1911-6; sec. Chamber of Commerce and Agr., Gaffney, S. C., 1916-8; present position, 1918–.—*b.* Whitt, Tex., Dec. 7, 1874; *s.* V. L. and Jane (Cranfill) G.; reared on farm; *m.* Daisy Dean Miller, June 21, 1905; *c.* Robt. M. Grad. Add-Ran Univ., Thorp Spring, Tex., 1890.

Graber, Laurence Frederick, asst. prof. agr., Univ. Wis., Madison, Wis.
Sec. and organizer, The Alfalfa Order. Del. Nat. Corn Show, Columbia, S. C.,

Dallas, Tex.; Panama-Pacific Expos. (Alfalfa).—*b.* Mineral Point, Wis., Mar. 5, 1887; *s.* Louis and Salome (Engels) G.; reared on farm. B.S., Univ. Wis., 1910; M.S., 1912. Alpha Zeta.

Gracy, Brainard Bradshaw Jr., instr. an. husb., Middle Tenn. State Normal, Murfreesboro, Tenn.

Instr. sci. and hist., Rhea Co. high-sch., Dayton, Tenn., 1915-7; co. agrl. agt., Loudon Co., Tenn., 1917-8; present position, 1918-.—*b.* Smyrna, Tenn., Sept. 11, 1891; *s.* Brainard Bradshaw and Mittie (Moore) G.; reared on farm; *m.* Emma Belle Adkerson, May 9, 1916; *c.* Martha Moore, Brainard B. B.S.A., Univ. Fla., 1915.

Graddy, Ivan Clay, co. agrl. agt., Greenville, Ky.

(Soil fert.).—*b.* McClean Co., Ky., Nov. 28, 1894; *s.* W. L. and Priscilla (Tucker) G.; reared on farm; *m.* Alfretta Dunn, Feb. 24, 1918. B.S.A., Univ. Ky., 1917.

Graeber, Robert Walter, co. agrl. agt., Statesville, N. C.

Asst. dairyman, N. C. Dept. Agr., 1911-2; co. agrl. agt., Charlotte, N. C., 1913-6; Lancaster, S. C., 1917-8; Bishopville, S. C., 1919; Statesville, 1920-. (Dairy cattle and hogs).—*b.* Rowan Co., N. C., Jan. 1, 1888; *s.* Harvey A. and Margaret A. (Lippard) G.; reared on farm; *m.* Margaret Emma Shepherd, Dec. 24, 1912. B.S., N. C. State Coll., 1911.

Graf, John Enos, ent. in chg. field work sweet potato weevil invests., Bur. Ent., U. S. Dept. Agr., Macclenny, Fla.

b. Banning, Calif., May 28, 1889; *s.* Conrad and Marie (Frey) G.; reared in small town. A.B., Pomona Coll., 1910.

Graham, Albert B., agrl. ext. specialist, States Relations Serv., U. S. Dept. Agr., Washington, D. C.

Supt. rural schs., 10 yrs.; supt. agrl. ext., Ohio State Univ., 1905-14; chg. ext. work, N. Y. State Sch. Agr., Farmingdale, L. I., 1914-5; present position, 1915-.—*b.* Champaign Co., O., Mar. 13, 1868; *s.* Joseph A. and Esther P. (Reeder) G.; reared on farm and in village; *m.* Maud Keyee Lauer, Aug. 14, 1890; *c.* Emerson Blair, Rettie Elizabeth, Walter Scott, Helen Esther, Joseph Raymond. B.S., Nat. Normal Univ., Lebanon, O., 1888.

Graham, Ira Day, chief clerk, State Bd. Agr., Topeka, Kans.

Prof. commercial law, Kans. State Agr. Coll., 19 yrs.; asst. and acting chief dept. of live-stock, Panama-Pacific Expos., 1913-5. Sec. Kans. Improved Stock Breeders Assoc.; sec. Kans. State Dairy Assoc.; sec. Kans. State Swine Breeders Assoc.; sec. Shawnee Alfalfa Club; sec. Shawnee Improved Stock Breeders Assoc. *Ed.*, Kansas Farmer, 13 yrs.; Rural Spirit, Portland, Ore., 1 yr. (Pure bred live-stock).—*b.* Vinton, Ia., Aug. 29, 1859; *s.* David Nelson and Clarissa (Chase) G.; reared on farm; *m.* Mary E. McConnell, June 12, 1883; *c.* Agnes, Lloyd McConnell, Ardi McConnell. B.Sc., Abingdon Coll., Ill.; M.Sc., Eureka Coll., 1886.

Graham, John Cameron, prof. poultry husb. and head dept., Mass. Agr. Coll., Amherst, Mass.

Pres. Amer. Assoc. Instrs. and Invests. in Poultry Husb. State leader poultry club work.—*b.* Wayne, Wis., Oct. 31, 1868; *s.* Chas. W. and Margaret (Hay) G.; reared on farm; *m.* Jennie L. Jenkins, Dec. 25, 1894; *c.* Leland, Doris Ruth. B.S.A., Univ. Wis., 1911.

Graham, Milton Clarke, farm manag., Marianna, Ark.

Teach. high-sch.; co. agrl. agt., Ark.; agrst., K. C. S. Ry., Mo.; manag. Grove & Hewitt, planters and breeders.—*b.* Decatur, Miss., Apr. 22, 1889; *s.* H. G. and Lucy (Moore) G.; reared on farm; *m.* Hattie Temple Kisselburg, May 28, 1916; *c.* Elizabeth Estelle, M. C. Jr., Hattie Temple. B.S., Okla. A. & M. Coll., 1916. Sigma Zeta Chi.

Graham, Robert, prof. an. path., Univ. Ill., Urbana, Ill.

Prof. vet. sci., Univ. Ky., 1912-7; Ky. state vet., 1913-4; path., Ky. State Live-Stock Sanitary Bd., 1916-7; present position, 1917-. Capt. U. S. Army, 1918-9. (Forage poisoning in animals).—*b.* Ames, Ia., July 16, 1888; *s.* Thos. J. and Myra L. (Hoover) G.; reared in country; *m.* Lucy Keller Hutchcraft,

Aug. 30, 1917. D.V.M., Ia. State Coll., 1910; M.S., Univ. Ky., 1912. Sigma Xi; Beta Theta Pi; Alpha Zeta.

Graham, Robert D., farmer and banker, Grand Rapids, Mich.

Mem. Mich. House of Rep., 1895-7; State Senate, 1899. Pres. Grand Rapids Trust Co.; dir. Fourth Nat. Bank; pres. Citizens Telephone Co. Mem. Mich. State Bd. Agr., 18 yrs.; chm., 12 yrs. Pres. Grand Rapids Fruit Growers Assoc.; sec. Grand River Valley Hort. Soc.; vice-pres. Mich. State Hort. Soc.—*b.* Union, Ont., Nov. 11, 1855 (naturalized 1857); reared on farm; *m.* Annie Gross, Sept. 1, 1881; *c.* Josephine. Admitted to Mich. Bar, 1879.

Graham, William Alexander, comnr. agr, Raleigh, N. C.

Farmer, 1865–. Mem. N. C. Senate, 1874-82; House of Rep., 1905; present position, 1908–. Pres. N. C. Farmers Alliance. Major Confederate Army. Asst. Adjt. Gen. of N. C., 1863-5. *Auth.:* History of South Fork Baptist Association, 1900; Gen. Joseph Graham and His Revolutionary Papers, 1904.—*b.* Hillsboro, N. C., Dec. 26, 1839; *s.* Wm. A. and Susan (Washington) G.; reared in town and on farm; *m.* Julia R. Lane, June 8, 1864 (d. 1909); 2d, Sallie Clark, Nov. 4, 1915; *c.* Florence L., Susan W., Julia Evelyn, W. A. Jr., Elizabeth Hill, Sophie Alexander, Mattie Lawson, Carrie Brevard, Ellen Wayles, Evelyn B., Joseph. A.B., Princeton Univ., 1860. Sigma Phi.

Gramlich, Howard John, prof. an. husb., Univ. Neb., Lincoln, Neb.

(Experimental feeding of cattle and sheep).—*b.* Omaha, Neb., Jan. 26, 1889; *s.* J. N. and Josie M. (Gramlich) G.; reared on farm. B.S., Univ. Neb., 1911. Alpha Zeta; Gamma Sigma Delta.

Granovsky, Alexander Anastacievitch, teach. agr., high-sch., Mancos, Colo.

Asst. farm manag., Ukraine; with S. Russia Pub. Co., 4 yrs. In U. S. Army, 15 mos., served in France. *Auth.:* Necklace of Tears, 1911; Petals of Hope, 1910; Accords, 1914 (all poems in Ukrainian). (Ent.).—*b.* Berezcy, Ukraine, Nov. 4, 1887 (naturalized 1918); *s.* Anastacy J. and Emily (Sichnievitch) G.; reared in country. B.S., Colo. Agr. Coll., 1918; student Sorbonne Univ., Paris. Alpha Zeta.

Grantham, George Manners, asst. prof. soils, Mich. Agr. Coll., E. Lansing, Mich.

b. Ladoga, Ind., Mar. 5, 1889; reared on farm; *m.* Jeannette Hazen, Dec. 22, 1914; *c.* Dawn, Geo. R., Ruth. B.S., Univ. Ill., 1914. Alpha Zeta.

Graser, Herman Ira, co. agrl. agt., Grass Valley, Calif.

b. Riverside, Calif., Feb. 22, 1892; *s.* Philip D. T. and Tomassa (Jensen) G.; reared on farm; *m.* Myrtle R. Burson, 1916; *c.* Doris Myrtle. B.S., Univ. Calif., 1915. Lambda Chi Alpha; Alpha Zeta.

Grass, Joseph Fernand Jr., co. agrl. agt. Merced, Calif.

Farmer, 1914–.—*b.* New Orleans, La., Jan. 2, 1890; reared on farm. B.S., Ia. State Coll., 1914. Phi Kappa Psi.

Grattan, John, farmer, Broomfield, Colo.

Mem. Agrl. Adv. Comn. (Rural sociol.).—*b.* Waukan, Ia., Dec. 17, 1869; *s.* Henry G. and Rose Anna (Bryant) G.; reared on farm; *m.* Vinnie Williams; *c.* 5 sons. Student S. D. State Coll. and Ia. State Coll.

Graves, Charles Hicks, farm manag. dem., Mich. Agr. Coll., E. Lansing, Mich.

b. Sunderland, Vt., Jan. 13, 1890; *s.* Edmund A. and Harriet S. (Way) G.; reared on farm; *m.* Susan Mary de Peyster, June 25, 1918; *c.* Jeremy Hitchcock. B.S., Cornell Univ., 1916. Traveled in S. America, 10 mos.

Graves, George West, dir. dept. agr., Fresno State Normal Sch., Fresno, Calif.

Farmer and teach. agr., high-sch., Calif., 1912-5; asst. superv. agr., Los Angeles city schs., 1915-9; present position, 1919–. In U. S. Army, 1918-9. Traveled in Europe. (Hort.).—*b.* Cedar Rapids, Ia., May 1, 1886; *s.* Walter R. and Alice M. (Stolp) G.; reared in city and on farm; *m.* Ella Hard Macklin, Dec. 16, 1913. Ph.B., Univ. Chicago, 1908; M.S.A., Wash. State Coll., 1912. Phi Gamma Delta; Alpha Zeta.

Graves, Henry Solon, formerly chief U. S. For. Serv., Washington, D. C.

Prof. for. and dir. For. Sch., Yale Univ., 1900-10; chief U. S. For. Serv., 1910-20. Mem. Nat. Conservation Comn., 1908. Lieut.-Col. Corps of Engineers, Nat. Army overseas service, June, 1917-Feb., 1918. Mem. Nat. Research Council. *Auth.:* Forest Mensuration, 1906; Principles of Handling Woodlands, 1911; joint auth., The White Pine, 1896.—*b.* Marietta, O., May 3, 1871; *s.* Wm. Blair and Lurannah (Hodges) G.; *m.* Ella Marian Welch, Dec. 19, 1903. A.B., Yale Univ., 1892; A.M., 1900; hon. A.M., Harvard Univ., 1911.

Graves, Lulu Grace, prof. home econ. and specialist in nutr., Cornell Univ., Ithaca, N. Y.

Assoc. prof., Ia. State Coll., 1909-10; head dietitian, Lakeside Hospital, Cleveland, O., 1914-8; present position, 1918–. Pres. Amer. Dietetic Assoc., 1917-20. *Ed.*, dept. dietetics, Modern Hospital, Chicago, 1914–. *Auth.:* Modern Dietetics, 1917. (Dietetics).—*b.* Schoharie, N. Y., Feb. 1, 1874; *d.* W. J. and Elizabeth (Babcock) G.; reared on farm. Student Neb. State Normal, 1889-91; Univ. Chicago, 1906-9.

Graves, Roy Ralph, dairy cattle breeding, Bur. An. Ind., U. S. Dept. Agr., Washington, D. C.

Dairyman, U. S. Dept. Agr., 1912-3; prof. dairy husb., Ore. Agr., Coll., 1913-7; present position, 1917–.—*b.* Cherokee, Kans., Oct. 8, 1886; *s.* John S. and Elizabeth (Cartright) G.; reared on farm and in city; *m.* Margaret Grace Smith, Aug. 8, 1909; *c.* Robt. Jackson, Margaret Elizabeth. B.S.A., Kans. State Agr. Coll., 1909; M.A., Univ. Mo., 1912.

Gray, Alexander Charles, prof. social sci. and hist., Eureka Coll., Eureka, Ill.

Pastor,Christian Church, Mt.Healthy, O., 1897-1905; pastor Church of Christ, Ann Arbor, Mich., 1905-8; instr. Ann Arbor Bible Chairs, 1906-8; prof. social sci. and New Testament, Eureka Coll., 1908-9; acting pres., 1909-12; prof. hist. and social sci., 1912–. Mem. Com. on Family Life, Fed. Council of Churches of Christ. Del. to Nat. Congress of Prison Reform, Indianapolis. (Rural sociol. and labor legislation).—*b.* Coldstream, Ont., May 8, 1867 (naturalized 1902); *s.* Angus and Christina (Mc Kellar) G.; reared on farm; *m.* Rose H. Cameron, Sept. 30, 1897; *c.* Grace Cameron, Archibald. B.A., Univ. Toronto, 1896; M.A., Hiram Coll., 1897; M.A., Univ. Mich., 1908; B.D., Yale Univ., 1915.

Gray, Chester Harold, farmer, Nevada, Mo.

Farmer, Gentry Co., Mo., 4 yrs.; Vernon Co., 15 yrs. Pres. Mo. Farm Bur. Fed.; mem. exec. com., Amer. Farm Bur. Fed. Dir. Nat. Marketing Assoc., Kansas City, Mo.—*b.* Harrison Co., Mo., Dec. 15, 1879; *s.* Wm. L. and Miriam (Crews) G.; reared on farm; *m.* Iola Pearl Welch, Dec. 30, 1903; *c.* Miriam Mary, Chester Harold, Kathryn Gladys, Gertrude Welch, Wm. Ralph, Vernon Henry. Student Univ. Mo., 2 yrs.

Gray, Flavillus Nathaniel, cotton crop specialist, U. S. Bur. Crop Estimates, Box 834, Houston, Tex.

Cotton planter, Madison Parish, La., 1871-7; ed. The Ascension Democrat, Donalsonville, La., 1882-6; ed. and proprietor Houma Courier, La., 1886-9; fruit and veg. farmer, Galveston Co., Tex., 1891-2; ed. and proprietor Business Record, Houston, 1896-7; sec. Houston Manufacturers Assoc., 1889-1902; ed. and proprietor Rice Industry, 1900-6; mem. bd. dirs., Rice Assoc. of Amer., 1901-3; special field agt. in cotton invests., Bur. Statistics, U. S. Dept. Agr., 1905-17; present position, 1917–.—*b.* Ascension Parish, La., Nov. 22, 1855; *s.* David Ichabod and Sarah Jane (Fuqua) G.; reared on farm; *m.* Bettie Goode Winder, Mar. 11, 1889.

Gray, George Putnam, chief div. chem., Dept. Agr., Sacramento, Calif.

Prof. chem., San Francisco Vet. Coll., 1910-3; chem., Insecticide Lab., Calif. Exp. Sta., 1911-20; instr. insecticides, Univ. Calif., 1913-6; asst. prof. ent., 1916-20; present position, 1920–. (Econ. poisons).—*b.* Fremont, Neb., Feb. 4, 1877. B.S., Pomona Coll., 1910; M.S., Univ. Calif., 1911. Sigma Xi.

Gray, James Miller, distr. agrl. agt., Asheville, N. C.

Instr. agr., Brevard Inst., N. C., 1910-1; asst. dir. farmers insts., N. C. Dept. Agr., 1911-3; agrl. agt., Durham Co., 1913-5; Gaston Co., 1916-7; distr. agt., 1917–. (Beef cattle and hogs).——*b.* Cullasaja, N. C., Oct. 13, 1886; *s.* Thos. R. and Maria F. (Miller) G.; reared on farm; *m.* Mae Ethel Ingalls, Oct. 21, 1911; *c.* Frances Louise, Leila Esther, Thos. Ingalls. B.S., N. C. A. & M. Coll., 1910.

Gray, Lewis Cecil, agrl. econ. in chg. land econ., U. S. Dept. Agr., Washington, D. C.

Princ. Paynesville Acad., Mo., 1901-3; princ. Sch. Agr., Okla. A. & M. Coll., 1903-5; prof. hist. and econ., 1905-8; asst. econ., Univ. Wis., 1908-10; instr., 1910-3; prof. econ., Univ. Sask., 1913-5; prof. rural econ., Geo. Peabody Coll., 1915-9; present position, 1919–. State dir. price interpretation for Tenn., U. S. Food Adminis.; chm. Budget Com. for Tenn., U. S. War Savings. Mem. council, Amer. Assoc. for Agrl. Legislation.—*b.* Liberty, Mo., Dec. 2, 1881; *s.* Lewis Pressley and Elizabeth (Chambliss) G.; reared in town; *m.* Pearl Buena Patterson, 1905; *c.* Marceline Elizabeth, Emily Belle, Lois. A.B., Wm. Jewell Coll., 1900; M.A., 1903; Ph.D., Univ. Wis., 1911. Phi Gamma Delta.

Gray, Oscar Somers, co. agrl. agt., Waxahachie, Tex.

Second Lieut., U. S. Reserve Corps, 4 mos. (Agron.).—*b.* Terrell, Tex., Nov. 14, 1894; *s.* Geo. L. G. B.S.A., Tex. A. & M. Coll., 1917.

Gray, Susan Black, home dem. agt., Woodwark, Okla.

Teach. home econ., high-sch., Lehigh, Okla., 1917-8; Wynnewood, 1918-9; present position, 1919–.—*b.* El Reno, Okla., Aug. 8, 1895; *d.* Geo. H. and Helena (Pennebaker) Black; reared on farm; *m.* Wm. F. Gray, Jan. 1, 1920. Grad. E. Cent. State Normal, Ada, Okla.

Gray, Thomas, minister, Franklin, Ind.

Missionary on Isl. of Ponape, Micronesia, 1900-7; in Porto Rico, 1909-11; pastor rural church in Colo., 1911-2; Marion, Ind., 1913-7; pastor Community Congregational Church, Franklin, 1917–.—*b.* Alton, Ill., June 8, 1870; *s.* Jas. and Elizabeth Anne (Hardy) G.; reared in town and on farm; *m.* Zeta Danley, Nov. 17, 1897; *c.* Leonard Danley. B.A., Washburn Coll., 1896; grad. Chicago Theol. Sem., 1900.

Gray, Thomas Davis, co. agrl. agt., Berkeley Springs, W. Va.

Instr. agr., McDonough Inst., La Plata, Md., 1915-7. In Flying Corps, U. S. Army, 1918. (Hort.).—*b.* Grayton, Md., Nov. 1, 1893; *s.* Geo. E. and Fannie G.; reared on farm. B.S., Md. State Coll., 1915. Kappa Alpha.

Gray, William F., co. agrl. agt., Woodward, Okla.

Agrst., Albert Lea high-sch., Minn., 1912-3; co. agt., Lemmon, S. D., 1913; present position, 1918–. Stock farmer, Okla., 1902-16.—*b.* Arkalon, Kans., Mar. 28, 1886; *s.* Geo. C. and Etta R. (Allen) G.; reared on cattle ranch; *m.* Susan Black, Jan. 1, 1920. B.S., Okla. A. & M. Coll., 1912.

Gray, William Melven, co. agrl. agt., Sanford, Me.

Teach. agr., Good Will high-sch., Hinckley, Me., 1912-3. (Pom.).—*b.* Debec, N. B., Jan. 29, 1886 (naturalized 1914); *s.* Samuel and Barbara Ellen (Wills) G.; reared on farm; *m.* Gertrude F. Smith, Oct. 13, 1913; *c.* 1 daughter. B.S., Univ. Me., 1912. Phi Kappa Sigma.

Greaves, Joseph E., prof. bact. and physiol. chem., Utah Agr. Coll., Logan, Utah.

Asst. chem., Utah Exp. Sta., 1904-7; asst. prof. chem., 1907-10; assoc. prof. physiol. chem., Utah Agr. Coll., 1911-2; prof. bact. and physiol. chem., 1912–; chem. and bact., Exp. Sta., 1914–.—*b.* Logan City, Utah, Nov. 2, 1880; *s.* Joseph C. and Catherine M. (Eames) G.; reared on farm; *m.* Pernecy Dudley, June 10, 1907; *c.* Joseph, Florence, Pernecy, Vera, Mary. B.S., Utah Agr. Coll., 1904; M.S., Univ. Ill., 1908; Ph.D., Univ. Calif., 1911.

Green, George Rex, asst. prof. for., Penn. State Coll., State College, Pa.

Asst. state for., O., 1911-2; present position, 1912–. Insp. aeroplanes and wood tech., Naval Aircraft Factory,

League Isl. Navy Yard, Philadelphia, 1918-9.—*b.* Glen Hope, Pa., June 29, 1884: *s.* Abram Keagy and Emma Jane (Rex) G.; reared in town and on farm; *m.* Edith Newton, Apr. 16, 1913; *c.* Geo. Rex Jr., Betty Irene. B.A., Univ. Mich., 1911; M.S., Penn. State Coll., 1915. Sigma Alpha Epsilon.

Green, G. Leland, princ. State Sch. Agr., Randolph Center, Vt.

Princ. Hilgate high-sch., 1907-8; Franklin, 1908-9; Richford, 1909-11; present position, 1911–. Master Hillcrest Grange, 1920; acting pres. State Teachers Assoc., 1919. Served in France with Y. M. C. A.—*b.* Franklin, Vt., Apr. 22, 1883; *s.* Lucius D. and Cora Belle (Chamberlin) G.; reared on farm; *m.* Flora Gertrude Humphrey, July 10, 1907; *c.* Gardner H., Gordon L. B.S., Univ. Vt., 1906. Phi Beta Kappa; Kappa Sigma.

Green, John B., lawyer and editor, 121 N. Fitzhugh St., Rochester, N. Y.

Pres. Commercial Law League of Amer., 1897; mem. Bd. Educ., Westfield, N. J., 9 yrs. *Auth.:* Law for the American Farmer, 1911. Mem. editorial staff, Lawyers' Coop. Pub. Co.—*b.* New York City, May 17, 1850; *s.* Matthew Richard Arkwright and Sarah (Corps) G.; reared in city; *m.* Mary Annie Sinckler, Apr. 3, 1878; *c.* Hilda Whitfield, Henry Merritt, Ethel Sinckler. Admitted to Bar, 1871.

Green, John Dickerson, minister, Caledonia, O.

Pres. O. Country Life Conference.—*b.* Harrison Co., O., Sept. 3, 1889; *s.* R. B. and Amanda (Dickerson) G.; reared on farm; *m.* Ethel M. Lorah, Aug. 1, 1918. A.B., Ohio Wesleyan, 1914; S.T.B., Boston Univ., 1917.

Green, John Zebulon, farmer and ed., Marshville, N. C.

Organizer and lect., N. C. Farmers Union, 1898-1918. Mem. N. C. Tax Comn. *Ed.*, Marshville Home; contributing ed., Progressive Farmer, Raleigh.—*b.* Marshville, N. C., Dec. 27, 1867; *s.* Jas. E. and Sarah (Marsh) G.; reared on farm; *m.* Ella Candle, 1896; *c.* Myron, Berge, Henry, Zeb, Kate, Inez, Nell.

Green, Lulu Samuel, home dem. agt., 215 Court St., Muskogee, Okla.

Teach. dom. sci. and art, Tuskahoma Female Acad., Okla., 1914-7.—*b.* Cedar City, Mo., Apr. 23, 1874; *d.* Chas. W. and Anna Elizabeth (Ferguson) Samuel; reared in town; *m.* E. A. Green, Mar. 10, 1897; *c.* Chas. Burdett. Student Chicago Sch. Home Econ., Okla. A. & M. Coll.

Green, Roy Monroe, asst. prof. farm manag., Univ. Mo., Columbia, Mo.

Instr. farm manag., Univ. Mo., 1915-6; asst. prof., 1916–.—*b.* Carrollton, Mo., Mar. 12, 1889; *s.* Calvin and Sophia (Tripp) G.; reared on farm; *m.* Mary E. Miller, May 4, 1915; *c.* 1 son. B.S.A., Univ. Mo., 1914.

Green, William James, hort., Ohio Exp. Sta., Wooster, O.

In nursery business, 1873-82.—*b.* Grangerburg, O., June 18, 1849; *s.* Job Loder and Harriett (Ganyard) G.; reared on farm; *m.* Martha A. Spurgeon, 1884; *c.* Paul, Mary H., Robt. L. B.S., Nat. Normal Sch., 1872.

Green, William John, ext. agt., Guam Exp. Sta., Guam.

Asst. in movable schs., Okla. A. & M. Coll., 1916-7; asst. boys' club agt., 1917-9; present position, 1919–.—*b.* Ellsworth, Kans., Aug. 19, 1892; *s.* Herbert J. and Annie (Nikodim) G.; reared on farm; *m.* Gladys Lillian Burr, Aug. 20, 1917; *c.* Wm. J. Jr. B.S., Okla. A. & M. Coll., 1916. Alpha Zeta; Pi Kappa Delta; Gamma Zeta.

Greene, Charles N., chief apiary adv., Dept. Agr., Harrisburg, Pa.

b. Troy, Pa., Dec. 25, 1864; *s.* Francis and Martha J. (Fish) G.; reared in town; *m.* Minna Pearsall Silliman, Dec. 26, 1888; *c.* Benj. Silliman, Chas. Herbert.

Greene, George Ogden, ext. hort., Kans. State Agr. Coll., Manhattan, Kans.

Asst. hort., Kans. State Agr. Coll., 1901-3; asst. hort., Mass. Agr. Coll., 1903-5; present position, 1912–.—*b.* Lincoln, Kans., Apr. 9, 1876; *s.* Ogden N. and Mary A. (George) G.; reared on farm; *m.* Alice M. Worley, Sept. 7, 1904; *c.* Ogden. B.S., Kans. State Agr. Coll., 1900; M.S., 1902.

Greene, James Henry, state leader in junior ext., Univ. Ill., Urbana, Ill.
Supt. schs., Garrett and LaGrange, Ind., 1910-4; present position, 1914–. Farmer, N. D., 1908-10. *Ed.*, Home Project Series, 1917-8. (Agrl. curriculums).—*b.* Dubuque, Ia., May 25, 1886; *s.* Joel Waring and Martha (Thomas) G.; reared in city; *m.* Flora Thomson Jones, Feb. 22, 1909; *c.* Joan Thomson. B.S.A., Univ. Ill., 1908; M.S., 1914; Ph.D., 1920. Phi Kappa Psi.

Greene, Laurenz, chief in hort., Purdue Univ., LaFayette, Ind.
Asst. hort., Ft. Hays Branch Exp. Sta., Kans., 1906; asst. hort., N. Mex. A. & M. Coll., 1906-7; asst. hort., Ia. State Coll., 1907-9; chief pom., Ia. Exp. Sta., 1909-17; present position, 1917–. —*b.* Lincoln, Kans., May 13, 1883; *s.* Ogden N. and Mary A. (George) G.; reared on farm; *m.* Gertrude Mereness, Dec., 1911. B.S., Kans. State Agr. Coll., 1906; M.S.A., Ia. State Coll., 1909.

Greene, Lawrence Dewey, co. agrl. agt., Middletown, N. Y.
Asst. agrst., Lehigh Valley R. R., 1913-4; fruit-grower, 1914-5; nurseryman, 1915-7; asst. farm bur. manag., 1917-8; present position, 1918–. Dir. Orange Co. Agrl. Soc.—*b.* S. Byron, N. Y., Aug. 10, 1890; *s.* Wm. Seward and Clara Holmes (Cook) G.; reared on farm; *m.* Myrta Judith Gibbs, Sept. 28, 1918; *c.* Judith Elisabeth. Student Cornell Univ., 1913. Alpha Gamma Rho.

Greene, Mark Hindley, field agt. in marketing, Utah Agr. Coll., Logan, Utah.
Prof. farm manag., Utah Agr. Coll., 1916-7; agt. in marketing, 1917–. Traveled in Europe, 1909-10.—*b.* American Fork, Utah, Dec. 11, 1888; *s.* Alva A. and Minnie (Hindley) G.; reared on farm; *m.* Alice A. Dunford, Aug. 6, 1914; *c.* Alva D., Lavinia. B.S., Utah Agr. Coll., 1913; M.S., Univ. Wis., 1915. Pi Zeta Pi.

Greene, Smith Winford, an. husb. in chg. Coastal Plain Exp. Sta., U. S. Dept. Agr., McNeill, Miss.
Lands. gard. and tree surg., 1914-6; in chg. beef cattle exptl. work, Collins, Miss., 1917-8; present position, 1918–. (Beef cattle).—*b.* Bloomington, Ind., Jan. 9, 1890; *s.* Chas. F. and Jennie (Smith) G.; reared on farm. B.S.A., Purdue Univ., 1915; M.S.A., 1919.

Greene, Wesley, sec. Ia. State Hort. Soc., State House, Des Moines, Ia.
Sec. Soc. Ia. Florists; state for. comnr. Farmer, 25 yrs.; present position, 20 yrs. *Auth.:* Plants of Iowa, 1907; Hardy Herbaceous Plants, 1912. —*b.* Yellow Springs, Pa., Nov. 8, 1849; *s.* Allen J. and Sarah A. (Shannon) G.; reared on farm. B.S., Ia. State Coll., 1873; LL.B., Univ. Ia., 1875.

Gregg, John William, lands. arch. and prof. lands. gard. and flor., Univ. Calif., Berkeley, Calif.
Practising lands. arch., before 1907; prof. hort., Baron de Hirsch Sch., Woodbine, N. J., 1907-9; asst. prof. hort., Penn. State Coll., 1909-12; present position, 1912–. Pres. Park Comn. City of Berkeley.—*b.* Weare Center, N. H., Jan. 8, 1880; *s.* Frank and Ruth (Sleeper) G.; reared on farm and in town; *m.* Mary Jennings, Jan. 27, 1906; *c.* John Jennings, Ruth Greenwood, Donald Franklin. B.S., Mass. Agr. Coll., 1904; B.S., Boston Univ. Alpha Sigma Phi.

Gregg, Orestes Isaiah, co. agrl. agt., Dearborn, Mich.
Teach. hort., Mich. Agr. Coll., 1907-11; Klamath Co. high-sch., 1915-6; agt. Wayne Co., 1917–.—*b.* Bristol, N. Y., June 26, 1882; *s.* Geo and Louisa (Case) G.; reared on farm; *m.* Irma Muzzall, Aug. 12, 1907; *c.* Glenn, Emory, Ruth, Geo. Thos. B.S., Mich. Agr. Coll., 1907.

Gregory, Charles Truman, ext. plant path., Purdue Univ., LaFayette, Ind.
Asst. plant path., Cornell Univ., 1911-2; instr., 1912-4; asst. prof., 1914-8.—*b.* Ithaca, N. Y., Aug. 31, 1887; *s.* E. W. and Jennie (Taber) G.; reared in city; *m.* Frances A. Feeney, 1907; *c.* Dorothea, Edgar Paul. B.S.A., Cornell Univ., 1910; Ph.D., 1914. Sigma Xi.

Gregory, Clifford Verne, ed. Prairie Farmer, 223 W. Jackson Blvd., Chicago, Ill.
Dir. Ill., farmers inst. Sec. Adv. Bd., Ill. Dept. Agr.; mem. Adv. Com., Ill. Exp. Sta.; mem. Ill. Tenancy Comn. Farm owner. *Auth.:* Prairie Farmers'

Hog Book, 1915; Songs of the Lazy Farmer, 1916.—*b.* Mason City, Ia., Oct. 20, 1883; *s.* Elmer O. and Millie (McFarlin) G.; reared on farm; *m.* Edna Springer; *c.* Gwendolyn, Merrill, Howard, Barbara. B.S.A., Ia. State Coll., 1910.

Greig, Alexander Rodger, prof. agrl. engin., Univ. Sask., Saskatoon, Sask.
Lect. agrl. engin., Man. Agr. Coll., 1906-7; prof., 1907-9: present position, 1909–. Mem. Bd. of Highway Comnrs. of Sask.—*b.* Montreal, Que., Dec. 18, 1872; *s.* Wm. and Elizabeth (Rodger) G.; reared in city; *m.* Jessie Shaw, Sept. 1, 1897; *c.* M. Jean. B. A. Sc., McGill Univ., 1895.

Griffin, Frederick Llewellyn, assoc. prof. agrl. educ., Univ. Calif., Berkeley, Calif.
Research asst., Ore. Agr. Coll., 1908-11; instr. agr., Boise high-sch., 1911-2; instr. agrl. educ., Univ. Calif., 1912-3; asst. prof., 1913; prof. agrl. educ., Ore. Agr. Coll., 1913-6; prof. rural educ., Cornell Univ., 1916-8; present position, 1918–.—*b.* Pueblo, Colo., July 29, 1884; *s.* Llewellyn and Martha E. (Martin) G.; reared in city and country; *m.* Annie Laurie Hill. June 21, 1909; *c.* Dorothy Laura. B.S.A., Ore. Agr. Coll., 1908; M.S.A., 1911. Gamma Sigma Delta; Phi Delta Kappa.

Griffin, Oscar Pennington, co. agrl. agt., Brownwood, Tex.
Princ. sch., Mereta, Tex., 1909-14; princ. high-sch., Miles, Tex., 1915 7.—*b.* Cass Co., Tex., Jan. 8, 1879; *s.* J. M. and Mattie (Echols) G.; reared on farm; *m.* Nettie Nuckolls, Apr. 3, 1901; *c.* Hawley, Gladys, Lucile, John, Gertie, Maria.

Griffing, John B., in chg. cotton improvement, Univ. Nanking, Nanking, China.
Princ. high-sch., Blackfoot, Ida., 1909-11; teach. sci. and agr., high-sch., Medford, Ore., 1911-2; head dept. agr., Ariz. State Normal, Tempe, Ariz., 1913-8. Pres. and manag. Griffing Cotton Co., Tempe, Ariz., 1918-20.—*b.* Topeka, Kans., Dec. 4, 1885; *s.* John S. and Mary L. (Pechner) G.; reared on farm; *m.* May Kelley, May 29, 1910; *c.* Mary Louise, John Malcoln, Joe Bruce. B.S.A., Kans. State Agr. Coll., 1904; A.B., Drake Univ., 1909; A.M., Columbia Univ., 1913.

Griffith, Leland S., co. agrl. agt., Amboy, Ill.
b. Magnolia, Ill., July 8, 1887; *s.* W. G. and Fannie G. (Smith) G.; reared on farm; *m.* M. Jane Caldwell; *c.* John Stanford. B.S., Univ. Ill., 1909. Alpha Zeta.

Griffiths, David, hort., U. S. Dept. Agr., Washington, D. C.
Teach. bot., high-sch., Aberdeen, S. D., 1893-8; prof. bot., Univ. Ariz., 1900-1; asst. agrostologist, U. S. Dept. Agr., 1901-7; agrst., 1907-19; hort., 1919–. (Flowering bulbs, prickly cacti).—*b.* Aberystwith, Wales, Aug. 16, 1867 (naturalized); *s.* David and Rachel (Lewis) G.; reared on farm; *m.* Emigene Lily, 1907; 2d, Louise Hayward, 1915; *c.* Elizabeth Lily, John David. B.S., S. D. State Coll., 1892; M.S., 1893; Ph.D., Columbia Univ., 1900.

Grimes, Arthur Middleton, sci. asst., Bur. Markets, U. S. Dept. Agr., Washington, D. C.; 1893-Oct. 18, 1918. See Rus 1918.

Grimes, Mansell Farquhar, asst. prof. an. husb., Penn. State Coll., State College, Pa.
b. W. Brownsville, Pa., Dec. 14, 1891; *s.* Wm. S. and Elizabeth (Dorsey) G.; reared on farm; *m.* Ada B. Renshaw, Nov. 8, 1917. B.S., Penn. State Coll., 1914; M.S., 1920. Kappa Sigma.

Grimes, Waldo Ernest, assoc. prof. agrl. econ., Kans. State Agr. Coll., Manhattan, Kans.
Supt. agron., Expl. Farm, Kans. Exp. Sta., 1913-4; formerly asst. prof. farm manag., Kans. State Agr. Coll. (Farm organization, cost of production).—*b.* Lee's Summit, Mo., Oct. 5, 1891; *s.* Arch T. and Anna (Hess) G.; reared on farm; *m.* Ethel Roseberry, Sept. 15, 1914; *c.* Sarah Anna, Rosethel. B.S., Kans. State Agr. Coll., 1913; grad. student, Cornell Univ. Alpha Zeta; Pi Kappa Delta; Gamma Sigma Delta.

Grindley, Harry Sands, prof. an. nutr., Univ. Ill., Urbana, Ill.
Asst. chem., Ill. Exp. Sta., 1889; Univ. Ill., 1889-92; Harvard Univ., 1892-3; instr. chem., Univ. Ill., 1894-5; asst. prof., 1895-9; assoc. prof., 1899-1904; prof. general chem. and dir. chem. lab., 1904-7; prof. an. nutr. and chief

in an. nutr., 1907–. Dir. invests. of saltpeter in meat, 1907-10.—*b.* Champaign, Ill., Apr. 13, 1864; *s.* Joseph S. and Sarah E. (Sands) G.; *m.* Anna Eaton, July 2, 1896. B.S., Univ. Ill., 1888; Sc.D., Harvard Univ., 1894. Sigma Xi; Phi Lambda Upsilon.

Grisdale, Frank Sydney, princ., agron. and farm manag., Sch. Agr., Olds, Alta.

(Soils and crops).—*b.* St. Martha, Que., July 8, 1887; *s.* Albert and Elizabeth (Simpson) G.; reared on farm; *m.* Amy Leone Klein, July 17, 1914; *c.* Elizabeth Lucretia, Marguerite Klein, Joseph Herbert. B.S.A., Macdonald Coll. and McGill Univ., 1911.

Grisdale, Joseph Hiram, Deputy Minister, Federal Dept. Agr., Ottawa, Ont.

Formerly dir. Dominion Exptl. Farms, Ottawa. Traveled in Europe. *Auth.:* Milk Production in Canada; Grain Growing on the Prairies; Bacon Pigs in Canada. (Farm manag.).—*b.* Ste. Marthe, Que., Feb. 18, 1870; *s.* Albert B. and Elizabeth (Simpson) G.; reared on farm; *m.* Laura Vipond, June 20, 1900; *c.* John Hume, Albert Joseph, Helen Laura, Simpson Vipond, Caroline. B.Agr., Ia. State Coll., 1898; D.S.A., Laval Univ., 1918.

Griswold, Don T., ext. assoc. an. husb., Tex. A. & M. Coll., Bryan, Tex.

Instr. an. husb., Tex. A. & M. Coll., 1909-11; prof. an. husb., Univ. Porto Rico, 1912-3; farmer, 1913-6; present position, 1916–.—*b.* Montrose, Ia., Mar. 1, 1883; *s.* Jas. and Magnolia (Sykes) G.; reared on farm; *m.* Margaret Nortle, June 9, 1915; *c.* Margaret, Don T. B.S.A., Ia. State Coll., 1909. Alpha Zeta.

Groff, George Weidman, dir. agr. and prof. hort., Canton Christian Coll., Canton, China.

Instr., Canton Christian Coll., 1907-10; present position, 1912–; collaborator, U. S. Dept. Agr., 1915-7; field asst., 1917–. (Sapindaceous fruits).—*b.* Annville, Pa., Mar. 29, 1884; *s.* Abram Lefever and Lizzie (Weidman) G.; reared on farm; *m.* Eva A. Brinser, Dec. 6, 1911. B.S., Penn. State Coll., 1907; M.S., 1912. Alpha Zeta; Delta Upsilon.

Groom, Walter Alvin, co. agrl. agt., Hot Sulphur Springs, Colo.

b. Monte Vista, Colo., Oct. 7, 1892; *s.* W. A. and Alice (John) G.; reared on farm; *m.* Hertha J. Folk, Aug. 18, 1916. B.S., Colo. Agr. Coll., 1915.

Groseclose, Henry C., instr. voc. agr., Buckingham Co. Agrl. High-Sch., Buckingham, Va.

Princ. high-sch., Belle Haven, Va., 1912-5; Curdsville, 1916-9; present position, 1919–. 1st Lieut. Buckingham Guards, Va. Volunteers. Pres. Buckingham Co. Teach. Assoc.—*b.* Ceres, Va., May 17, 1892; *s.* Henry C. and Letitia (Peery) G.; reared on farm; *m.* Dorothy Bell Saxtion, Sept. 8, 1917. Student Washington and Lee Univ., 1909-12; Va. Poly. Inst.

Gross, Edward Robert, prof. agrl. engin., Miss. A. & M. Coll., Agricultural College, Miss.

Country sch. teach., 1902-3; grain farmer, Neb., 1903-6; princ. high-sch., Exeter, Neb., 1908-9; princ. public schs., Long Pine, Neb., 1909-11; instr. woodwork, Univ. Neb., 1911-3; chg. farm mech., Neb. Sch. Agr., Curtis, 1913-4; assoc. prof. chg. farm mech., Colo. Agr. Coll., 1914-8; ext. specialist agrl. engin., Miss. A. & M. Coll., 1918-9; prof., 1919–. Chm. tractor com., Colo. Adv. Council of Defense, 1917.—*b.* Julian, Neb., Aug. 26, 1883; *s.* Chas. and Emily (Wagner) G.; reared on farm; *m.* Mrs. Frankie Glasscock Schneider, Apr. 3, 1915. B.Ed., Peru State Normal, Neb., 1913; B.S. Agr., Univ. Neb., 1913.

Gross, Howard H., farmer, pres. Universal Military Training League, First Nat. Bank Bldg., Chicago, Ill.

Mem. Chicago Bd. Educ., 1897-1900. U. S. Del. to Intern. Good Roads Congress, Paris, 1908. Pres. Tariff Comn. League. Traveled in Australia, New Zealand, Sandwich Isls., W. Indies, Europe. *Auth.:* The Money Problem, 1896; Handbook on Mathematical Geography, 1882; Waterway Transportation, 1908; Brief on Tariff Commission, 1915; Brief on Universal Obligatory Military Training, 1916.—*b.* Marathon, N. Y., Sept. 27, 1853; *s.* John C. and Caroline (Hyde) G.; reared on farm;

m. Dell S. Condit, Apr. 11, 1878; *c.* Wilbur G., Howard H. Jr., Florence, Helen M.

Gross, Wilmer Emanuel, co. agrl. agt., La Grange, Ind.

Asst. farm manag., Penn. State Coll., 1910-1; agrl. agt., Southern Ry., 1912-4; farmer, Va., 1914-5; manag. live-stock farm, Tenn., 1915-6; creamery work, 1916-7; co. agrl. agt., Franklin, N. C., 1918; La Grange Co., Ind., 1919–. (Farm manag.).—*b.* York Co., Pa., May 31, 1886; *s.* John W. and Mary (Eyster) G.; reared on farm; *m.* Leona Jeter Moorman, May 2, 1914. B.S.A., Penn. State Coll., 1909. Alpha Zeta.

Groves, Ernest Rutherford, prof. sociol., dean of Arts and Sci., N. H. Coll., Durham, N. H.

Prof. psychology and philosophy, N. H. A. & M. Coll., 1903-7; instr. English, Dartmouth Coll., 1907-8; prof. sociol., N. H. A. & M. Coll., 1908–; dean of Arts and Sci., 1916–. Dir. Collegiate Sect., S. A. T. C., N. H. Coll. *Auth.:* Moral Sanitation, 1916; Using the Resources of the Rural Church, 1917; Rural Problems of Today, 1918; What Kind of a Fight are We In ? *Ed.*, dept. rural and community sociol., Rural Manhood. (Rural sociol.).—*b.* Saxonville, Mass., May 6, 1878; *s.* Henry H. and Hannah (Seward) G.; reared in town; *m.* Dorothy Doe, 1907 (d. 1916); 2d, Gladys Hoagland, 1919; *c.* Catherine, Ernestine Dorothy. B.D., Yale Sch. of Religion, 1901; A.B., Dartmouth Coll., 1903.

Grubbs, Norman S., co. agrl. agt., Court House, Pittsburg, Pa.

Farming in O., 3 summers; in Pa., 5 yrs.; Pittsburg Cut Flower Co., 1 summer; farming and Y. M. C. A. work; Burlington, N. J., 18 mos.; agt. Allegheny Co., Pa., 1914–.—*b.* Bakerstown, Pa., June 11, 1888; *s.* Jas. and Mary (Gregg) G.; reared on farm and in city; *m.* Dorothy Jane Grubbs. B.S., Penn. State Coll., 1913. Alpha Zeta.

Guard, Samuel R., assoc. ed. The Breeder's Gazette, 542 S. Dearborn St., Chicago, Ill.

Prof. an. husb., Chicago Vet. Coll., 1915-20. (Live-stock).—*b.* Elizabethtown, O., Dec. 25, 1889; *s.* Bailey G. and Abba (McKinney) G.; reared on farm; *m.* Kathryn Darnell, Oct. 7, 1915; *c.* Georgia Darnell. B.S.A., Ohio State Univ., 1912.

Guilbert, Edgar J., ranchman, Smoky Hill Ranch, Wallace, Kans.

Mem. Kans. Legislature, 1909. Pres. Amer. Galloway Breeders Assoc., 1917-8, exec. bd., Kans. Live-Stock Assoc.—*b.* S. Olive, O., Nov. 14, 1871; *s.* Walter D. and Mary L. (Jordan) G.; reared in city; *m.* Jennie M. Reed, Dec. 1896; *c.* Harold Reed, Edna Virginia.

Guilford, William Sumner, dir. agr., Calif. Farm Lands Co., Willow., Calif.

Pres. Glenn Co. Berkshire Breeders Assoc.; pres. Glenn Co. Shorthorn Breeders Assoc.; pres. Glenn Co. Shropshire Breeders Assoc.; dir. Amer. Shropshire Assoc.; pres. Western Berkshire Congress, 1916; mem. exec. com., Nat. Live-Stock Assoc. Live-stock ed., Wis. Agriculturist, 1902-5; western ed. Berkshire World. *Auth.:* Irrigator's Hand Book, 1909; (with Grubb) The Potato, 1911; California Hog Book, 1915.—*b.* Storm Lake, Ia., Sept. 21, 1882; *s.* Emmet H. and Anna B. (Forbes) G.; reared on farm and in small town. Student Univ. Wis.

Guin, Joel Woods, co. agrl. agt., Chandler, Okla.

Superv. cotton gins and cotton buyer for E. B. Guin & Sons Gin Co., Ala., 1906-10; manag. and bookkeeper for Guin Gin Co., Lexington, Okla., 1913-4; teach. city sch., Guin, Ala., 1910-2; teach. rural sch., Wanette, Okla., 1915-7; agt. Lincoln Co., 1917–. Sec. Lincoln Co. Farm Council, 1919-20. (Hort., poultry).—*b.* Guin, Ala., Oct. 20, 1887; *s.* Eli B. and Mary E. (Hilburn) G.; reared on farm; *m.* Loula Marie Menasco, Nov. 15, 1913; *c.* Wyman Woods, Maxine Marie, John Alden. Student Univ. Okla.

Gullickson, Rachel McEldowney, teach. dom. econ., La Crosse Co. Sch. Agr. and Dom. Econ., Onalaska, Wis.

Present position, 1913–; food dem., La Crosse Co., 1918. Organizer girls' sewing, canning clubs and the like.—*b.* West Salem, Wis., Dec. 5, 1892; *d.* Wm. Francis and Eva (Pettingill) Mc-

Eldowney; reared on farm; *m.* Francis Lynn Gullickson, Aug. 4, 1915. Grad. Stout Inst., 1912.

Gunderson, Nellie May, home dem. agt., Council Bluffs, Ia.
b. Neb., Mar. 14, 1890; reared on farm. B.S., Univ. Wis., 1917.

Gunn, Colin Donald, co. agrl. agt., Gainesville, Fla.
b. Greenmound, Fla., Nov. 16, 1892; *s.* Colin Campbell and Annie (Rawls) G., reared on farm. B.S.A., Univ. Fla., 1916. Phi Kappa Phi.

Gunn, Reuben Veerin, farm manag. dem., U. S. Dept. Agr. and Ore. Agr. Coll., Corvallis, Ore.
Asst. farm manag., Univ. Wis., 1914-6; instr., 1916-8; emergency agrl. agt., Fon du Lac Co., Wis., 1917; present position, 1918–. Farm manag., 5 yrs.—*b.* Murryville, Ill., Aug. 5, 1887; *s.* John Thos. and Mary Ellen (Daniels) G.; reared on farm; *m.* Christina Rouwenhorst, Sept. 2, 1915; *c.* Nellie Magrieta. B.S., Univ. Wis., 1914.

Gunnels, Charles E., asst. chief Off. Ext. Work, North and West, States Relations Serv., U. S. Dept. Agr., Washington, D. C.
Instr. agron., Univ. Neb., 1915-6; co. agrl. agt., Seward Co., Neb., 1916-7; co. agt. leader, Univ. Neb., 1917-8; dir. agrl. ext. serv., Univ. Neb., 1918-9; present position, 1919–.—*b.* Crete, Neb., Sept. 6, 1888; *s.* Geo. W. and Agnes (Aller) G.; reared in town and on farm; *m.* Ruth G. Hogue, June 14, 1916; *c.* Marjorie Jean. B.S.A., Univ. Neb., 1915. Gamma Sigma Delta.

Gunnerson, Gilbert Lewis, co. agrl. agt., Le Mars, Ia.
Supt. schs., Brodgate, Ia., 1913-5; lab. instr. plant physiol., Ia. State Coll., 1916-7; supt. city schs., Sioux Center, 1917-8; agrl. agt.. Plymouth Co., 1918–.—*b.* E. Lynn, Ill., Nov. 5, 1890; *s.* G. and Emma (Nelson) G.; reared on farm; *m.* Florence M. Holm, June, 1919. B.S., Ia. State Coll., 1917. Alpha Zeta.

Gunness, Christian I., prof. rural engin., Mass. Agr. Coll., Amherst, Mass.
Instr. mech. engin., N. D. Agr. Coll., 1907-9; asst. prof., 1910-2; supt. Tractioneering Sch., La Porte, Ind., 1912-4; present position, 1914–.—*b.* Abercrombie, N. D., July 23, 1882; *s.* Ingebrigt and Maren (Gunness) G.; reared on farm; *m.* Elizabeth Rice, July 6, 1910; *c.* Robt. Chas., Elizabeth, Marion. B.S., N. D. Agr. Coll., 1907.

Gunson, Thomas, asst. prof. hort. and supt. grounds, Mich. Agr. Coll., E. Lansing, Mich.
In chg. div. for. nursery, Jas. Backhouse & Son, York, England; orchid houses of Titus Salt Jr., Saltaire; grounds at Tullyallan Castle, Penthahm, Scotland; present position, 1891–. Del. to Floral Exhibition, Paris, 1900. Mem. exec. bd., State Hort. Soc.—*b.* Myoffet, Dumfrieshire, Scotland, July 4, 1858 (naturalized 1884); *s.* Thos. and Mary (Johnson) G.; reared on farm; *m.* Annie Rose, Apr. 6, 1884.

Gurler, Henry Benjamin, dairy farmer, Macon, Miss.
Mercantile business, De Kalb, Ill., 1864-8; dairyman, 1868-82; proprietor creamery, 1882–. Instr. butter-making, Univ. Wis., 1891; Univ. Vt., 2 terms; Penn. State. Coll., 3 terms. *Auth.:* American Dairying, 1894; The Farm Dairy. Served in Civil War.—*b.* Chesterfield, N. H., May 21, 1840; *s.* Benj. and Harriet F. (Hopkins) G.; *m.* Selenia Rolf, Mar. 27, 1867; 2d, Cora A. Dodge, Oct. 5, 1904.

Gussmann, Emma Josephine, editorial writer, 911 S. 47th St., Philadelphia, Pa.
Assoc. ed., household dept., The Farm Journal, Philadelphia.—*b.* Philadelphia, Pa.; *d.* Chas. F. and Caroline (Fackler) G.; reared in city.

Gustafson, Carl Henry, farmer, Mead, Neb.
Pres. Farmers Educ. and Coop. State Union of Neb. Mem. Neb. Legislature, 1911, 1913; mem. Water Power Comn., 1911; chm. Farmers War Council of Neb. Pres. Farmers Union State Exchange; pres. Farmers Union Live-Stock Comn. of Neb. *Ed.*-in-chief, Nebraska Union Farmer.—*b.* Rockford, Ill., Apr. 1, 1869; *s.* Christopher and Hilda (Malstrom) G.; reared on farm; *m.* Anna M. Matson, May 20, 1893; *c.* Esther, F. M., Roy H., Reuben R., Nancy R. V., Ralph E. C.

Guthrie, Edward Sewall, prof. dairy ind., Cornell Univ., Ithaca, N. Y.

Instr. dairying, Ohio State Univ., 1905-8; instr. dairy ind., Cornell Univ., 1908-10; instr. and invest., 1910-3; prof. 1913–. Sec.-treas. O. Dairymens Assoc., 1907-8. *Auth.:* The Book of Butter, 1918.—*b.* Coin, Ia., Dec. 27, 1880; *s.* Wm. Adam and Isabel (Sewall) G.; reared on farm; *m.* Margaret Faye Watterson, June 20, 1907; *c.* Edward Watterson, Margaret Isabel, Glen Scott. B.S., Ia. State Coll., 1905; M.S.A., Cornell Univ., 1910; Ph.D., 1913. Sigma Xi.

Guy, William Lewis, co. agrl. agt., Devils Lake, N. D.

b. Bourbon, Ind., Nov. 19, 1890; *s.* Jas. Wm. and Matilda (Thompson) G.; reared on farm; *m.* Mable Leet, Nov. 26, 1918; *c.* Wm. B.S.A., N. D. Agr. Coll. Alpha Zeta; Alpha Gamma Rho.

H

Hackedorn, Howard, prof. an. husb., Wash. State Coll., Pullman, Wash.

Asst. prof., Univ. Mo., 1910-8; present position, 1918–.—*b.* Marysville, Mo., Dec. 16, 1886; *s.* Nelson Robt. and Alvira (Duck) H.; reared in town; *m.* Ella Vanila Shuler, July 18, 1912; *c.* Howard Nelson, Marion Shuler. B.S., Univ. Mo.

Hacker, Alvin Leland, co. agrl. agt., Allentown, Pa.

b. Lincoln, Pa., Oct. 28, 1890; *s.* J. J. and Katie (Hagy) H.; reared on farm: *m.* Effie Klinefelter, Feb. 3, 1917. B.S., Penn. State Coll., 1916. Chi Phi; Phi Kappa Phi.

Hackleman, Jay Courtland, assoc. prof. farm crops ext., Univ. Ill., Urbana, Ill.

Asst. agron., Univ. Mo., 1910-1; instr., 1911-3; asst. prof., 1913-9; present position, 1919–. Sec.-treas. Mo. State Corn Growers Assoc., 1916-9.—*b.* Carthage, Ind., June 24, 1888; *s.* C. M. and Hattie (Call) H.; reared on farm; *m.* Lorraine Gans, July 24, 1912; *c.* Russell Edgar. B.S.A., Purdue Univ. 1910; A.M., Univ. Mo., 1912. Alpha Zeta; Acacia; Alpha Gamma Rho.

Hadley, Charles Harvey, plant quarantine insp., Bur. Ent., U. S. Dept. Agr., Riverton Ent. Lab., Riverton, N. J.

Asst. ent., N. H. Coll. and Exp. Sta., 1912-5; invest. in ent., Cornell Univ. Exp. Sta., 1915-6; ext. ent., Penn. State Coll., 1916-8; asst. prof. econ. ent., 1918-9; present position, 1919–.—*b.* Block Isl., R. I., Aug. 5, 1889; *s.* Chas. Harvey and Carrie L. (Whitney) H.; reared in town; *m.* M. Genevieve Burt, June, 1917; *c.* Merle Genevieve. B.S., N. H. Coll., 1912. Sigma Xi; Alpha Zeta; Beta Phi.

Hadley, Frederick Brown, prof. vet. sci., Univ. Wis., Madison, Wis.

Instr. vet. med., Wash. State Coll., 1907-8; asst. prof. anat. and surg., 1908-9; asst. prof. vet. anat., Ohio State Univ., 1909-10; asst. prof. vet. sci., Univ. Wis., 1910-1; assoc. prof., 1911-8; prof., 1918–. Mem. of official party Amer. Vet. Med. Assoc. traveling in Europe, 1914. *Auth.:* The Horse in Health and Disease, 1915; Principles of Veterinary Science, 1920. (Contagious abortion of cattle).—*b.* Burlington, Vt., Jan. 31, 1880; *s.* Frederick and Lucia (Brown) H.; reared on farm; *m.* Jennie E. Potts, Nov. 3, 1917; *c.* Susan Jane. D.V.M., Ohio State Univ., 1907. Sigma Xi.

Hadley, Philip Bardwell, prof. bact., R. I. State Coll., Kingston, R. I.

Chief div. an. breeding and path., R. I. Exp. Sta., 1908–; prof. bact., R. I. State Coll., 1912–.—*b.* Shelburne Falls, Mass., Jan. 10, 1881; *s.* Edson P. and Elizabeth (Fairbanks) H.; reared in city; *m.* Ruth Barbara Canedy, May 16, 1908; *c.* Jarvis Francis, Barbara. Ph.B., Brown Univ., 1903; Ph.D., 1908. Delta Upsilon.

Haecker, Theophilus L., prof. emeritus dairy and an. husb., Univ. Minn., 1205 Raymond Ave., St. Paul, Minn.

Instr. dairying, Univ. Minn., 1891-3; prof. dairy, 1893-1907; prof. and invest. an. nutr., 1907-18. Sec. Minn. Dairymens Assoc. Del. to Dairy Congress, Budapest, 1909. Exec. clerk to governor of Wis., 1874-91. Served in Civil War. Fellow A. A. A. S. *Ed.*, dairy dept., Farm Stock and Home.—*b.* Liverpool, O., May 4, 1846; *s.* Henry and Barbara (Drohman) H.; reared on farm; *m.* Marie Brown, Mar., 1869; 2d, Fanny

M. Vilas, 1888; *c.* Harry C., Archibald L., Elfreda, Mary, Barbara. Two yrs. at Univ. Wis. Sigma Xi; Alpha Zeta; Gamma Sigma Delta.

Haefner, Ruth Elizabeth, home dem. agt., Iowa City, Ia.
Home dem. agt., Sac City, Ia., 1918. —*b.* Castalia, Ia., Jan. 9, 1894; *d.* John and Caroline (Froelich) H.; reared on farm and in town. Grad. Stout Inst., 1915; B.A., Univ. Ia., 1918.

Hafner, Vernon Etter, sci. asst., U. S. Dept. Agr., Chillicothe, Tex.
b. Greenville, Tex., Oct. 15, 1894; *s.* Willie E. and Ida May (McFadden) H.; reared in town. B.S., Tex. A. & M. Coll., 1917.

Hagan, Harold Raymond, assoc. ent. Exp. Sta., state crops and pests comnr. and state insp., Utah Agr. Coll., Logan, Utah.
Asst. prof. ent., Utah Agr. Coll., 1914-7; assoc. ent. Exp. Sta., 1917–; state crops and pests comnr. and state insp., 1919–. (Econ. ent.).—*b.* Chicago, Ill., May 20, 1886; *s.* Albert and Dora (Young) H.; reared in town; *m.* Blanche Young, Sept. 4, 1907; *c.* Harold R. Jr. B.S.A., Utah Agr. Coll., 1914; M.S., Harvard Univ., 1917. Gamma Sigma Delta; Pi Zeta Pi.

Hagans, Otto Charles, co. agrl. agt., Effingham, Kans.
Teach. agrl. sci., Atchinson Co. high-sch., Effingham, Kans., 1912-4; agt. Miami Co., Kans., 1914-8; agt. Atchinson Co., 1918–. Farm operator, 4 yrs.—*b.* Lane Co., Kans., Jan. 28, 1888; *s.* C. F. and Julia A. (Cockerell) H.; reared on farm; *m.* Mary Jeanette Buck, Sept. 2, 1914; *c.* Chas. Dale, Jeannette Louise. B.S., Kans. State Agr. Coll., 1911.

Hagar, Willard Sherman, co. agrl. agt., Mercer, Pa.
b. Canton, Pa., Nov. 22, 1891; *s.* Jas. Willard and Eva (Sherman) H.; reared on farm; *m.* Edna Yeatts, Oct. 1, 1918. B.S., Penn. State Coll., 1918. Sigma Phi Epsilon.

Hagar, William Jackson, co. agrl. agt., Canajoharie, N. Y.
Instr. an. husb., Sch. Agr., Canton, N. Y., 1 yr.; instr. agr., Millbrook Memorial high-sch., 3 yrs.; agt. Montgomery Co., 1917–. Co. rep. N. Y. State Food Supply Comn.; co. rep. N. Y. State Food Comn.—*b.* Plattsburgh, N. Y., Oct. 4, 1887; *s.* Luther and Alice Gertrude (Jackson) H.; reared on farm; *m.* Emily Muirhead Dowlen, Oct. 20, 1915; *c.* Richard Dowlen. Middlebury Coll., 1 yr.; Sch. Agr., Canton, N. Y., 2 yrs. Kappa Delta Rho.

Hagedorn, Frederick Arthur, sci. asst. in dairying, Dairy Div., U. S. Dept. Agr., Washington, D. C.
Instr. dairy manufactures, Mich. Agr. Coll., 1916-8; present position, 1918–.—*b.* Fremont, Mich., Apr. 8, 1891; *s.* Simon and Magdalena (Petensen) H.; reared in town; *m.* Blanch Harriet Grill, July 11, 1916; *c.* Harriet Dorothy. B.S.A., Mich. Agr. Coll., 1916.

Hagen, Roy Maxwell, asst. prof. agrl. ext., Univ. Calif., Berkeley, Calif.
Asst. agrl. ext., Univ. Calif., 1915-7; instr., 1917-8; asst. prof., 1918–. (Boys' and girls' agrl. clubs).—*b.* Lincoln, Neb., June 20, 1893; *s.* Herbert C. and Mary Elizabeth (Maxwell) H.; reared on farm; *m.* Effie Maud Wilton, June 27, 1917. B.S., Univ. Calif., 1915. Alpha Kappa Lambda; Alpha Zeta.

Haines, Harry Caum, co. agrl. agt., Somerville, N. J.
b. Mt. Ephraim, N. J., Aug. 2, 1885; *s.* Joseph M. and Martha A. (Caum) H.; reared in town; *m.* Dana M. Bower, June 22, 1912; *c.* Clement B., Harry C. Jr. Studied Bucknell Univ., 3 yrs.; short-course, Rutgers Coll. Delta Theta Upsilon.

Hale, Joseph Carroll, co. agrl. agt., Steamboat Springs, Colo.
b. Lane, Kans., Sept. 26, 1894; *s.* Joseph W. and Maria (McCreery) H.; reared on farm; *m.* Gladys C. Habaugh, Sept. 1, 1916; *c.* Stuart Owen. B.S., Colo. Agr. Coll., 1916. Sigma Rho Delta.

Hale, Philip Henry, ed. National Farmer and Stock Grower, 3550 Vista Ave., St. Louis, Mo.
Dairy farmer, Tex., and ed. Tex. Live Stock Journal, 1880-90; fruit and stock farmer, Miss., 1900-10. *Auth.:* Book of

Live Stock Champions, 1912; History of Agriculture by Dates, 1910; Directory of Live-Stock Breeders of U. S. and Canada, 1887; Agricultural Blue Book, 1910.—*b.* London, England, May 24, 1850 (naturalized 1893); *s.* Henry and Many Ann (Sanders) H.; reared in country; *m.* J. C. Strong Bartel, Feb., 1918.

Hale, Preston Orin, co. agrl. agt., Cottonwood Falls, Kans.
Student asst. feeding expts., Kans. State Agr. Coll., 1915-6.—*b.* Saunemin, Ill., Mar. 5, 1889; *s.* Orin M. and Effie (Ragan) H.; reared on farm. B.S.A., Kans. State Agr. Coll., 1916. Alpha Zeta.

Hall, Bolling, specialist in fruit and veg. growing and marketing, N. C. Dept. Agr., Waynesville, N. C.
Princ. high-sch., Ruffin, N. C., 1909; manag. fruit farm, Waynesville, 1910-3; fruit farmer, 1914–; present position, 1917–. Sec. Haywood Cooperage Co.; sec.-treas. and gen. manag. Mt. Growers Exchange; sec.-treas. Waynesville Nat. Farm Loan Assoc.—*b.* Denver, Colo., Sept. 24, 1883; *s.* Joseph E. and Mary M. (Stokes) H.; reared on farm and in city. A.B., Univ. N. C., 1909. Phi Kappa Sigma.

Hall, Forest G., co. agrl. agt., Clarksburg, W. Va.
Teach. rural schs., 4 yrs.; co. agt., Summers Co., Hinton, W. Va., 1917-9. —*b.* Pullman, W. Va., July 14, 1889; *s.* Asby Hunter and Olive May (Zumbro) H.; reared on farm; *m.* Laetazelle Snyder, Feb. 11, 1918; *c.* Robt. Glen. B.S. Agr., W. Va. Univ., 1917. Kappa Sigma.

Hall, Francis D., farmer, Whittier, Ia.
Treas. Linn Co. Farm Bur.; sec.-treas. Brown Township Mutual Insurance Assoc., 1901-17. General and dairy farmer, Linn Co., 1882–.—*b.* Barnesville, O., Mar. 26, 1860; *s.* John and Debora (Davis) H.; reared on farm; *m.* Sara E. Battey, Nov. 18, 1884; *c.* Clara D. Rockwell, J. Floyd, Irene Hall McGrew, Tacy Marie Hoge.

Hall, John Robert, co. agrl. agt., Harrisonville, Mo.
Farmer, La Monte, Mo., 4 yrs. Sec. Mo. Farmers Exchange, 1914-7.—*b.* Kearney, Mo., June 22, 1892; *s.* J. Ed. and Allie (Pence) H.; reared on farm; *m.* Mary B. Hill, June 22, 1918. B.S.A., Univ. Mo., 1917.

Hall, Katie Lou, home dem. agt., Ellisville, Miss.
b. Grenada, Miss.; *d.* Richard and Janie (Terrell) H.; reared in town. Student Miss. Normal Coll., Hattiesburg.

Hall, Lawrence K., specialist work with rural boys, Intern. Com. Y. M. C. A., 347 Madison Ave., New York, N. Y.
Instr. high-sch., Norton, Kans., 1910-1; supt. schs., Cheney, 1911-2; specialist on work among high-sch. boys, State Com. Y. M. C. A., Kans., 1912-7; present position, 1917–. Dir. Assoc. of Boys' Work Secs. of N. Amer.—*b.* Riley, Kans., July 27, 1886; *s.* Jas. W. and Laura Belle (Knipe) H.; reared on farm; *m.* Margaret E. Brown, June 26, 1912; *c.* Wm. McBrown, Jas. Worthington. B.S., Baker Univ., 1910.

Hall, Lorenzo Edward, distr. agrl. agt., Chadbourne, N. C.
Teach. graded schs., 6 yrs.; dem. agt. for negro farmers of Columbus Co., 4 yrs.; distr. agt. supervising all negro dem. work in N. C., 1918–; mem. negro state adv. com. appointed by Governor Bickett of N. C.—*b.* Mt. Meigs, Ala., Dec. 6, 1880; *s.* Robt. and Penninnah H. (col.); reared on farm; *m.* Anna C. Johnson, Nov. 11, 1912; *c.* Minnie Johnson, Vivian Elizabeth. Grad. Hampton Inst.

Hall, Maurice Crowther, sr. zool., Zool. Div., Bur. An. Ind., U. S. Dept. Agr., Washington, D. C.
Instr. biol. and chem., high-sch., Canon City, Colo., 1906-7; sci. asst., jr. zool., asst. zool., U. S. Dept. Agr., 1907-16; parasitologist, Research Lab., Parke, Davis & Co., Detroit, Mich., 1916-8; present position, 1919–. Sec. The Helminthological Soc. of Washington. Del. to Pan-Amer. Sci. Congress, 1915-6. Reviewer, Journal of Amer. Vet. Med. Assoc. 1st Lieut., Vet. Corps, U. S. Army, 1918-9. (Parasitology; anthelmintic and insecticidal treatments).—*b.* Golden, Colo., July 15, 1881; *s.* Geo. H. B. and Marion Wallace (Crowther) H.; reared in town;

m. Lola May Davis, June 17, 1906; *c.* Marion Millicent, Winifred Lois, Margaret Lola. S.B., Colo. Coll., 1905; M.A., Univ. Neb., 1906; Ph.D., Geo. Washington Univ., 1915; D.V.M., 1916. Phi Beta Kappa; Sigma Xi.

Hall, Oakel Fowler, assoc. prof. educ. sociol., Purdue Univ., LaFayette, Ind.

b. near Crawfordsville, Ind., Dec. 20, 1879; *s.* Jas. Quincy and Amy Ann (Cox) H.; reared on farm; *m.* Edna Arlinda Barker, June 1910; *c.* Harriet W., Jas. Edward, Helen Fowler, Ruth Miriam. A.B., Wabash Coll., 1907; S.T.B., Harvard Univ., 1910. Kappa Delta Pi.

Hall, Otis E., with Jr. Achievement Bur., Eastern States League, Springfield, Mass.

Formerly state leader boys' and girls' clubs, Kans. State Agr. Coll. *Joint auth.:* Better Rural Schools.—*b.* Darlington, Ill., Dec. 20, 1879; *s.* Jas. Quincy and Amy (Cox) H.; reared on farm; *m.* Mary Demoret, June 25, 1908; *c.* Lois Marie, Mary Louise, Naomi. A.B., Wabash Coll., 1907.

Halligan, Charles Parker, prof. hort. and lands. gard., Mich. Agr. Coll., E. Lansing, Mich.

Student asst. Arnold Arboretum, summer, 1903; hort., Nat. Farm Sch., Pa., 1904-6; instr. lands. gard., Mass. Agr. Coll., 1906-7; instr. pom. and lands., Mich. Agr. Coll., 1907-8; asst. prof. hort., 1908-13; present position, 1913–.—*b.* Boston, Mass., July 10, 1881; *s.* John and Margaret (McCarthy) H.; reared in suburbs; *m.* Lillian I. Proulx, Sept. 4, 1907. B.S., Mass. Agr. Coll., 1903. Kappa Sigma.

Halligan, James Edward, in chg. research and exptl. dept., Intern. Sugar Feed Co., Memphis, Tenn.

Auth.: Fundamentals of Agriculture, 1911; Elementary Treatise on Stock Feeds and Feeding, 1911; Soil Fertility and Fertilizers, 1911; Fertility and Fertilizer Hints, 1911. (Agrl. chem., feeds and fertilizers).—*b.* Boston, Mass., Feb. 11, 1879; *s.* John and Margaret Elizabeth (McCarty) H.; reared in city; *m.* Eliza Perry Jones, June 30, 1908 (d. 1916); *c.* J. E. Jr., Perry Elizabeth. B.S., Mass. Agr. Coll., 1900. Kappa Sigma.

Hallman, Elam Tandy, assoc. prof. an. path. and vet. Exp. Sta., Mich. Agr. Coll., E. Lansing, Mich.

Instr. histology, bact., path., Ala. Poly. Inst., 1910-2; instr. bact. and research asst. bact., Mich. Agr. Coll., 1912-4; asst. prof., 1914-5; assoc. prof. an. path., 1915–; vet. to Exp. Sta., 1918–; an. path. to Mich. State Livestock Comn., 1915–.—*b.* Oxford, Ala., Mar. 14, 1884; *s.* W. W. and Julia A. (Morris) H.; reared on farm; *m.* Alma N. Cook, June 6, 1912; *c.* Mary Louise, Alma Kathryn. D.V.M., Ala. Poly. Inst., 1910; grad. student Johns Hopkins Univ., 1910. Alpha Psi.

Hallock, Herbert Gilbert, fruit-grower, Washington Depot, Conn.

Manag. Washington Fruit Growers Assoc., 1915–; co. vice-pres. Conn. Pom. Soc., 1916-20, vice-pres., 1920–; master Washington Grange, 3 yrs.—*b.* Washington Depot, Conn., Jan. 10, 1889; *s.* Frank L. and Katie M. (Sullivan) H.; reared on farm. Grad. Conn. Agr. Coll., 1907.

Halm, Helen Hay, asst. prof. educ. and dir. supervised teach. in home econ., Kans. State Agr. Coll., Manhattan, Kans.

Dir. home econ. dept., Corsicana, Tex., high-sch., 1908-10; Southwest Tex. State Normal Sch., San Marcos, 1910-3; dir. 2-yr. home econ. dept., Ia. State Coll., 1913-4; present position, 1915–; teach. home econ., Geo. Peabody Coll. for Teachers, Jan.-Sept., 1917 (on leave).—*b.* Topeka, Kans., May 21, 1882; *d.* Frank D. and May (Ernul) H.; reared in city. B.S., Kans. State Agr. Coll., 1908; Columbia Univ., 1915. Pi Beta Phi; Omicron Nu; Phi Kappa Phi.

Halpin, James G., prof. poultry husb., Univ. Wis., Madison, Wis.

Instr. poultry husb., R. I. State Coll., 1905-6; Mich. Agr. Coll., 1906-9; Univ. Wis., 1909–. Sec. Wis. Poultry Assoc.—*b.* Odessa, N. Y., Oct. 18, 1882; *s.* John LaFayette and Sarah (Lattin) H.; reared on farm; *m.* Ione Blake; *c.* John Leon, Robt. Blake. B.S.A., Cornell Univ., 1905.

Hamilton, David Wiley, prof. agrl. educ., Wash. State Coll., Pullman, Wash.

Teach. rural schs., N. B., 1895-7; princ. high-sch., Florenceville, N. B., 1901-2; princ. Macdonald Consolidated Sch., Kingston, 1904-7; prof. nature-study and agr., Provincial Normal Coll., Fredericton, 1907-12; prof. nature-study and agr., Sch. for Teachers, Macdonald Coll., McGill Univ., 1914-8; present position, 1919–. Sec. N. B. Teach. Assoc., 1904-12. *Auth.:* Common Weeds of Canada, 1910; Our Common Birds, 1914; Lesson Topics in Nature-Study and Agriculture, 1915; Lessons in Nature-Study and Agriculture, 1918.—*b.* Florenceville, N. B., Apr. 30, 1878; *s.* John and Ellen (Dyer) H.; reared on farm; *m.* Bertella Annie Dayton, Dec. 28, 1904; *c.* Florence Alberta, Lillian Marguerite. B.A., Univ. N. B., 1901; M.A., 1904; Ph.D., 1907; B.S.A., McGill Univ., 1914.

Hamilton, John, agrst., State College, Pa.
Prof. agr., Penn. State Coll., 1871-80; commandent of cadets, 1869-73; business manag., 1874-86; treas., 1874-1911; trustee. Deputy sec. agr., Pa., 1895-9; sec. agr., 1899-1903. Farmers inst. specialist, U. S. Dept. Agr. 1903-14. Mem. Pa. State Bd. Agr. Sec. Pa. State Agrl. Soc.; sec. Amer. Assoc. Farmers Inst. Workers. Sergt.-Major, 1st Pa. Cavalry, 1861-4.—*b.* Juniata Co., Pa., Feb. 19, 1843; *s.* Hugh and Sarah Gettys (McDowell) H.; reared on farm; *m.* Elizabeth McFarland Thompson, Oct. 27, 1875; *c.* Mary, John, Anne. B.S., Penn. State Coll., 1871; M.A.S., 1872.

Hammans, Charles Wayne, co. agrl. agt., Logan, Ia.
b. Afton, Ia., Jan. 2, 1892; *s.* Squire Geo. and Martha L. (Moffitt) H.; reared on farm. B.S., Ia. State Coll., 1914.

Hammond, Benjamin, manufacturer and merchant, Beacon, N. Y.
Amateur gardener. Sec. Amer. Rose Soc., 12 yrs., pres., 2 yrs.; chm. com. on sch. gardens, Soc. Amer. Florists and Ornamental Hort. Pres. Bd. Educ., Beacon, N. Y.; vice-pres. Mechanics Savings Bank of Beacon. *Ed.*, Mount Kisco Weekly.—*b.* Kidderminster, England, July 12, 1849 (naturalized as minor); *s.* Benj. and Mary (Twemlow) H.; reared in suburbs; *m.* Isabel Monilaws, July, 1875; 2d, Laura Anthony, 1898; *c.* Marion Isabel, Grace Twemlow, Elsie.

Hampton, Charles Leon, dir. voc. agr., high-sch., Santa Rosa, Calif.
Asst. manag. and operator of Hampton & Sons Farm, 1915-9. Chm. agrl. sect., Calif.. High-Sch. Teach. Assoc., 1918.—*b.* Live Oak, Calif., Sept. 8, 1889; *s.* Jas. Madison and Annie (Krehr) H.; reared on farm; *m.* Myrtle June Griffith, July 6, 1916; *c.* June Adele. B.S., Univ. Calif., 1913. Alpha Sigma Phi; Phi Delta Kappa.

Hand, William Flowers, prof. chem., Miss. A. & M. Coll., Agricultural College, Miss.
Asst. chem., Miss. A. & M. Coll., 1893-8; prof. and state chem., 1898–. Assoc. mem. Naval Consulting Bd. of U. S. Pres. S. Cent. State Assoc. of Food Control Officials, 1918-9.—*b.* Shubuta, Miss., Dec. 1, 1873; *s.* Albert P. and Florence (Flowers) H.; reared in small town; *m.* Evie Nash, Sept. 7, 1898; *c.* Wiley Nash. B.S., Miss A. & M. Coll., 1893; M.S., 1895; Ph.D., Columbia Univ., 1903. Sigma Alpha Epsilon.

Hand, William Gaines, co. agrl. agt., Box 1067, San Antonio, Tex.
Public sch. teach., 10 yrs.; agrl. agt. Hill Co., Tex., 1911-3; Bexar Co., 1913-20; present position, 1920–.—*b.* Rusk Co., Tex., July 12, 1873; *s.* G. R. and Henrietta (Birdine) H.; reared on farm.

Handschin, Walter Frederick, prof. farm organization and manag., Univ. Ill., Urbana, Ill.
Princ. County Sch. Agr., Marinette, Wis., 1907-8; instr. and asst. prof. an. husb., Univ. Minn., 1908-11; asst. and assoc. an. husb., Univ. Ill., 1911-5; asst. prof. farm manag., 1915–; vice-dir. agrl. ext., 1914–. Farm manag., 1905-7.—*b.* Calumetville, Wis., Jan. 10, 1880; *s.* Jacob and Paulina (Bertschi) H.; reared on farm; *m.* Edith Bunce Knott, Aug. 21, 1909; *c.* Robt., Margaret, Richard. B.S., Univ. Ill., 1913.

Hanger, Wallace Edwin, prof. farm crops, Ohio State Univ., Columbus, O.
Asst. agron., Md. Exp. Sta., 1911-5; present position, 1915–.—*b.* Preble Co.,

O., June 28, 1882; *s.* Geo. W. and Catharine (Judy) H.; reared on farm; *m.* Mary Louise Sherwood, June 5, 1917; *c.* Wallace Sherwood, Robt. Judy. B.S.A., Ohio State Univ., 1911. Delta Theta Sigma; Acacia.

Hankinson, John Henry, farmer, Glen Moore, N. J.

Farm operator, 1903-13; agrl. agt., Mercer Co., N. J., 1912-6; state leader co. agts., Rutgers Coll., 1916-8. Pres. E. B. Voorhees Agrl. Soc., 1908-11; trustee Farmers Coop. Assoc. of Mercer Co., 1912-8; sec. N. J. Council of Co. Boards Agr.—*b.* New York City, July 20, 1882; *s.* John H. and Mary Frances (Hunter) H.; reared in city and on farm; *m.* Marjorie Douglas Frost, Feb. 27, 1912; *c.* Margaret, John, Mary Lydia. B.A., Princeton Univ., 1903; grad. short-course, Rutgers Coll., 1908.

Hansen, Niels Ebbesen, prof. hort. and for., S. D. State Coll., Brookings, S. D.

Engaged in nursery business, Ia., 1888-91; asst. prof. hort., Ia. State Coll., 1891-5; present position, 1895–. Explorer, U. S. Dept. Agr., 1897-8, collecting seeds and plants in Russia, Turkestan, W. China, Siberia, Transcaucasia; 1906, around world through Lapland, Finland, Russia, Siberia, Manchuria, Japan; 1908-9, Siberia, Mongolia, Turkestan, Transcaucasia, N. Africa; 1913, Siberia. Originator and introducer new fruits and alfalfa. *Auth.:* Handbook of Fruit-Culture and Tree-Planting, 1890; (with J. L. Budd) Systematic Pomology, 1903.—*b.* Ribe, Denmark, Jan. 4, 1866 (naturalized as minor); *s.* Andrew and Bodil (Midtgaard) H.; *m.* Emma Elise Pammel, Nov. 16, 1898; 2d, Dora Sophia Pammel, Aug. 27, 1907; *c.* Eva Pammel, Carl Andreas. B.S., Ia. State Coll., 1887; M.S., 1895; Sc.D., S. D. State Univ., 1917.

Hanson, Edwin O., asst. prof. dairy husb., Univ. Minn., University Farm, St. Paul, Minn.

(Official cow testing and dairy mfg.). —*b.* Edgerton, Wis., Jan. 30, 1889; *s.* Gilbert and Jane H.; reared in city; *m.* Lydia E. Lundquist, Sept. 15, 1910; *c.* Elizabeth, Jean.

Hanson, Herman Herbert, state chem., Dover, Del.

Asst. chem., Me. Exp. Sta., 1902-7; assoc. chem., 1907-16; chem., 1916-9; asst. chem., W. Va. Exp. Sta., 1919-20; present position, 1920–. With U. S. Food Admins., Washington, 1917-8; Capt. Sanitary Corps, U. S. Army, 1918-9. Fellow A. A. A. S. (Analysis and microscopy of foods, drugs and agrl. products).—*b.* Strafford, N. H., Apr. 6, 1876; *s.* J. Freeman and Elsie (Woodman) H.; reared on farm; *m.* Alice Mary Stuart, June 5, 1905; *c.* Philip Stevens. B.S., Penn. State Coll., 1902; M.S., Univ. Me., 1906. Phi Sigma Kappa.

Harbold, Peter Monroe, prof. psychology and educ., Franklin and Marshall Coll., Lancaster, Pa.

Teach. hist. and pedagogy, Millersville State Normal, 1899-1902; supt. training sch., 1905-11; supt. city schs., Lancaster, Pa., 1911-2; princ. State Normal Sch., Millersville, Pa., 1912-8; camp educ. dir., Y. M. C. A., Camp Meade, Md., 1918-9; present position, 1919–. (Rural educ.).—*b.* Allen, Pa., Nov. 17, 1873; *s.* Peter and Leah (Burgard) H.; reared on farm; *m.* Helen Keiser, July 24, 1907; *c.* Elizabeth Keiser, Mary Leah. Grad. Millersville State Normal, 1898; Ph.B., Franklin and Marshall Coll., 1904; A.M., Harvard Univ., 1905; Sc.D. (hon.), Franklin and Marshall Coll., 1914. Phi Beta Kappa.

Hardenburg, Earle Volcart, asst. prof. farm crops, Cornell Univ., Ithaca, N. Y.

Sec. N. Y. State Potato Assoc. and ed. Proceedings, 1915–. (Potato specialist).—*b.* Brocton, N. Y., Nov. 30, 1889; *s.* Fowler Denton and Lizzie S. (Burroughs) H.; reared on farm; *m.* Aline Crandall, Sept. 4, 1915; *c.* Marjorie E., Robt. E. B.S., Cornell Univ., 1912; M.S.A., 1915; Ph.D., 1919. Alpha Zeta.

Hardin, De Witt Talmage, distr. agrl. agt., Court House, Chattanooga, Tenn.

Asst. an. husb., Univ. Tenn., 1912-4; agt. Hamilton Co., Tenn., 1914; distr. agt., E. Tenn., 1915–. Farm operator. —*b.* Lowndesville, S. C., Oct. 5, 1890; *s.* Wm. Henry and Leila (Cann) H.; reared on farm; *m.* Mary Edna Tim-

merman, Apr. 24, 1918. B.S., Clemson Agr. Coll., 1912; M.S.A., Univ. Tenn., 1914. Kappa Sigma; Phi Kappa Phi; Alpha Zeta.

Harding, Harry Alexis, prof. dairy bact., Univ. Ill., Urbana, Ill.

Bact., N. Y. Agr. Exp. Sta., Geneva, 1899-1913; present position, 1913–. Comnr. Health, Geneva, N. Y. Traveled in W. Europe.—*b.* Oconomowoc, Wis., Nov. 28, 1871; *s.* Joseph and Elizabeth (Dean) H.; reared on farm; *m.* Esther Gordon, Aug. 31, 1899; *c.* H. Gordon, Esther, Helen, Ruth. B.S., Univ. Wis., 1896; M.S., 1898; Ph.D., Cornell Univ., 1910. Sigma Xi.

Hardman, George, asst. prof. agron. and asst. agron. Exp. Sta., Univ. Nev., Reno, Nev.

Field agt., irrig. invests., 1915; present position, 1918–. (Irrig.).—*b.* Prairie City, Ore., Feb. 15, 1890; *s.* Franklin L. and Lillie (Craig) H.; reared on farm; *m.* Lucille Castor, Feb. 14, 1917; *c.* Geo. Franklin. B.S., Ore. Agr. Coll., 1915; M.S., 1916. Gamma Sigma Delta.

Hardy, John Henry, fruit-grower, Littleton, Mass.

In provision business, Faneuil Hall Market, Boston, 17 yrs. Insp. apple grading, State Bd. Agr.; manag. Littleton Fruit Growers Assoc.; hort. dir. Littleton Farm Bur.; food adminis., Littleton, 1918; pres. Neshoba Fruit Growers Assoc.—*b.* Arlington, Mass., June 10, 1874; *s.* John H. and Anna J. (Conant) H.; reared in town; *m.* Dorothy Myra Keeler, Sept. 15, 1899; *c.* John, Sherman K., Ruth W.

Hare, Franklin Creighton, prof. poultry husb., Clemson Agr. Coll., Clemson College, S. C.

Chief poultry div., Dept. Agr., Ottawa, Ont., 1898-1904; junior an. husb., U. S. Dept. Agr., 1913-4; prof. poultry husb. and ext. husb., Clemson Agr. Coll., 1914–. Pres. Amer. White King Assoc.; sec.-treas. S. C. Poultry Breeders Assoc.; vice-pres. S. C. Pigeon Breeders Assoc. *Auth.:* Milk Feeding for Packing Houses, 1904; Secrets of Milk Feeding Chickens, 1912. *Assoc. ed.,* Reliable Poultry Journal, 1904-8; ed., The Standard and Poultry World, 1908-12. (Artificial incubation and brooding).—*b.* Toronto, Ont., Nov. 6, 1875 (naturalized 1911); *s.* John Jas. and Katherine Isabella (MacDowell) H.; reared on farm; *m.* Violet Maude Wilson, Jan. 11, 1903; *c.* Kathleen, Archibald Creighton, John Franklin. Student Toronto Univ.

Haring, Clarence Melvin, prof. vet. sci., Univ. Calif., Berkeley, Calif.

Asst. vet. anat., Cornell Univ., 1903-4; instr. vet. sci. and bact., Univ. Calif., 1904-6; asst. prof., 1906-10; vet. and bact., Exp. Sta., 1904-13; prof. vet. sci., 1914–. Prof. vet. surg., San Francisco Vet. Coll., 1907-10; dir. Calif. anti-hog cholera serum lab., 1911-5. Sec. Amer. Vet. Med. Assoc., 1915-6; vice-pres. U. S. Live-Stock Sanitary Assoc., 1914. Del. from Calif. to 6th Intern. Congress on Tuberculosis, Washington, 1908. Capt. Vet. Corps, U. S. Army, 1918-9. —*b.* Freeville, N. Y., June 1, 1878; *s.* Purley Work and Ellen (Ainsworth) H.; reared in small village; *m.* Grace Moody, Aug. 22, 1908. D.V.M., Cornell Univ., 1904. Sigma Xi; Alpha Zeta.

Harlan, Harry V., agron. in chg. barley invests., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Field insp. of crop conditions in Jugo-Slavia, Hungary, Roumania, Poland, Germany and Belgium for grain corporation and Amer. Relief, 1919; traveled in Orient and S. Amer.—*b.* London Mills, Ill., Feb. 19, 1882; *s.* Plato and Elizabeth (Philippi) H.; reared on farm; *m.* Augusta Griffing, Nov. 15, 1905; *c.* Wilbur Vaughn, Jack Rodney. B.S.A., Kans. State Agr. Coll., 1904; M.S.A., 1909; Sc.D., Univ. Minn., 1914.

Harmer, Paul M., asst. prof. soils, Univ. Wis., Madison, Wis.

Instr. physics and chem., high-sch., Mankato, Minn., 1911-3; instr. soils, Univ. Minn., 1914-5; prof. chem., Neb. Wesleyan Univ., 1917-8; present position, 1918–. In Chem. Warfare Serv., 15 mos.—*b.* Dodge Center, Minn., Mar. 6, 1888; *s.* Herbert and Elizabeth (Swam) H.; reared on farm; *m.* Gladys Louise Johnson, Sept. 14, 1917. B.Sc., Carleton Coll., Northfield, Minn., 1911; M.Sc., Univ. Minn., 1915; Ph.D., 1920. Alpha Gamma Rho.

Harnden, Millard George, princ. and instr. agr., Stover High-Sch., Marlow, Okla.

Dairyman, Minn., 1909-11; asst. instr. dairying, Okla. A. & M. Coll., 1916. 1st Lieut. 17th U. S. Cavalry, 1917-9. (Dairying).—*b.* Sherburn, Minn.. Dec. 23, 1895; *s.* G. R. and Alice Colista (Reynolds) H.; reared on farm; *m.* Marie Simmons, Aug. 25, 1917; *c.* Merton Reed. B.S., Okla. A. & M. Coll., 1917. Alpha Zeta.

Harned, Robey Wentworth, prof. zool. and ent. and state ent., Miss. A. & M. Coll., Agricultural College, Miss.

Asst. biol., Miss. A. & M. Coll., 1906-8; acting prof. zool. and ent., 1908-10; prof., 1910–. Sec. State Plant Bd. of Miss.—*b.* Charles Co., Md., July 16, 1884; *s.* Edward Nathan and Helen M. (Porter) H.; reared in town and country; *m.* Edna Johnson, Oct. 24, 1911; *c.* Hilda, Edward Johnson. B.S.A., Ohio State Univ., 1906.

Harp, Paul W., farmer, Pleasantville, Ia.

Stock raiser, Marion Co., Ia., 1910–, specializing in Shorthorn cattle.—*b.* Prairie City, Ia., Apr. 11, 1890; *s.* John F. and Emma (Worthingon) H.; reared in town; *m.* Lela L. Moore, June 24, 1912. B.S., Ia. State Coll., 1910. Phi Sigma Kappa.

Harper, Joseph N., dir. farm serv. bur., Southern Fertilizer Assoc., 614 Rhodes Bldg., Atlanta, Ga.

Agron., Ky. Exp. Sta., 1898-1905; dir. S. C. Exp. Sta., 1905-17; dean dept. agr., S. C. A. & M. Coll., 1912-7; present position, 1917–. Studied agrl. conditions in Ireland and England.—*b.* Winston Co., Miss., Mar. 11, 1874; *s.* B. A. and Sarah (Yeager) H.; reared on farm; *m.* Susan Sparks, Sept., 1898; *c.* Lucy Elizabeth. B.S., Miss. A. & M. Coll., 1895; M.S.A., Univ. Ky., 1906.

Harper, Merritt Wesley, prof. an. husb., Cornell Univ., Ithaca, N. Y.

Asst. an. husb., Univ. Mo., 1902-5; farm manag., 1903-5; asst. an. husb., Cornell Univ., 1905-6; instr., 1906-7; asst. prof., 1907-12; prof., 1912–. *Auth.:* Manual of Farm Animals, 1911; Training and Breaking of Horses, 1912; Animal Husbandry for Schools, 1913; Management and Breeding of Horses, 1913; Breeding Farm Animals, 1914.—*b.* Grove City, O., Oct. 24, 1877; *s.* Jas. and Elizabeth A. (Seeds) H.; reared on farm; *m.* Elizabeth M. Tanton, July 29, 1909; *c.* James T., John T., Geo. I. B.S., Ohio State Univ., 1901; M.S., Univ. Ill., 1902.

Harrell, Alfred Gaines, co. agrl. agt., Melvin, Ala.

Teach. public schs., Choctaw Co., Ala., 5 yrs.; operator public mill and gin, 5 yrs.; general farmer, 8 yrs.; raiser Poland-China hogs, Barred Plymouth Rock chickens and setter and collie dogs, 12 yrs.—*b.* Melvin, Ala., Oct. 18, 1872; *s.* Jas. D. and Mary E. (Gaines) H.; reared on farm; *m.* Bessie Parker, Oct. 6, 1897; *c.* Mattie, Mary, Sam P., Gaines Jr., Thos., Margaret, Elizabeth.

Harriman, Helen Atarah, home dem. agt., Northampton, Mass.

Instr. cookery and dietetics, Northfield Sem., 2 yrs.; head home econ. dept., Md. Coll. for Women, 2 yrs.; present position, 1917–.—*b.* N. Adams, Mass., Dec. 11, 1891; *d.* F. H. and Atarah (Shossack) H.; reared in city. A.B., Middlebury Coll.; student Simmons Coll. Pi Beta Phi.

Harrington, Frank M., assoc. prof. pom., Ia. State Coll., Ames, Ia.

b. Hutchinson, Minn., Apr. 29, 1888; *s.* L. P. and May (Groshong) H.; reared in town. B.S.A., Ore. Agr. Coll., 1913. Lambda Tau Alpha.

Harrington, Ida Schwedler, state home dem. leader, R. I. State Coll., Kingston, R. I.

Dir. food shop, Women's Educ. and Ind. Union, Boston, 1908-10; ext. instr., Cornell Univ., 1911-3; manag. Glen Iris Inn, Letchworth Park, N. Y., summer, 1913; farmers inst. lect., N. Y. State Dept. Agr., 1912-7; home dem. agt., Middlesex Co., Mass., 1919; present position, 1919–. Mem. exec. com., Nat. Assoc. Farmers Inst. Workers, 1916; first vice-pres. New England Home Econ. Assoc., 1919–. Home econ. dir. for R. I. under Fed. Food Adminis., 1917-9. Traveled in Europe.—*b.* New York City, June 21, 1868; *d.* Edward F. and Amelia (Stange) Schwedler;

reared in city; *m.* Frank P. Harrington, Dec. 26, 1889; *c.* Frank Herbert, Alice. Student Simmons Coll., Cornell Univ.

Harris, Benjamin Franklin, pioneer in banker-farmer movement, 1st Nat. Bank, Champaign, Ill.

Founder and ed., Banker-Farmer, 3 yrs. Former chm. Agrl. Comn., Amer. Bankers Assoc.; pres. Ill. Bankers Assoc. Mem. Council, Amer. Assoc. for Agrl. Legislation; vice-chm. Ill. State Council Defense. Farmer and writer and speaker on agrl. problems.—*b.* Champaign Co., Ill., Sept. 30, 1868; *s.* Henry Hickman and Melissa (Megrue) H.; reared in town; *m.* May Melish, Dec. 5, 1895; *c.* Henry H., Wm. Melish, Benj. F. III, Elizabeth. LL.B., Columbia Univ., 1892.

Harris, Franklin Stewart, dir. Exp. Sta. and prof. agron., Utah Agr. Coll., Logan, Utah.

Instr. sci., Juarez Stake Acad., 1904-5; asst. agrl chem., Brigham Young Univ., 1906-7; asst. chem., Utah Exp. Sta., 1907-8; asst. soil tech., Cornell Univ., 1909-10; instr. soil tech., 1910-1; prof. agron., Utah Agr. Coll. and agron. Exp. Sta., 1911–; dir. Sch. Agrl. Engin., 1912–. Del. Intern. Dry-Farming Congress; Intern. Irrig. Congress; Universal Esperanto Assoc., Geneva, Switzerland. Pres. Amer. Soc. Agron.; chm. sect. agrl. engin., Intern. Dry-Farming Congress; sec. Utah Dry-Farmers Assoc. Fellow and pres., Utah Acad. Sci.; fellow A. A. A. S. *Auth.:* Man in Relation to His Work, 1913; The Vocations of Man, 1914; Principles of Agronomy, 1915; The Young Man and His Vocation, 1916; The Sugar-Beet in America, 1918; Soil Alkali, 1920.—*b.* Benjamin, Utah, Aug. 29, 1884; *s.* Dennison Emer and Eunice (Stewart) H.; reared in town; *m.* Estella Spilsbury, June 18, 1908; *c.* Arlene, Franklin S. Jr., Chauncey Dennison, Helen, Leah Dorothy. B.S., Brigham Young Univ., 1907; Ph.D., Cornell Univ., 1911. Sigma Xi; Delta Nu; Gamma Sigma Delta; Phi Kappa Phi.

Harris, Norton Lewis, ext. poultryman, Kans. State Agr. Coll., Manhattan, Kans.

Asst. poultry, Kans. State Agr. Coll., 1910-6; Bur. An. Ind., U. S. Dept. Agr., 1916-8; ext. poultryman, Univ. Ariz., 1918-20; present position, 1920–.—*b.* Yorkshire, Ill., July 24, 1876; *s.* Wm. Lewellyn and Lucilia (Morgan) H.; reared on farm; *m.* Martha Paterson, Apr. 19, 1900; *c.* Eugenia M., Lucilia M., Elizabeth W. Student Cornell Univ., Kans. State Agr. Coll.

Harrison, Arthur Kenyon, asst. prof. lands. gard., Mass. Agr. Coll., Amherst, Mass.

Instr. lands. gard., Mass. Agr. Coll., 1911-3; asst. prof., 1913–.—*b.* Lebanon Springs, N. Y., May 25, 1872; *s.* Wm. H. and Marietta (Kenyon) H.; reared on farm; *m.* Gertrude Chandler Harrison, Aug. 28, 1901 (d. 1918).

Harrison, Erbie Lee, pres. Ky. div. Farmers Union, Lexington, Ky.

Instr., Univ. Ky., 1909-10. Manag. and sec.-treas. Assoc. Cooperators of Ky.; mem. Fed. Bd. of Farm Organizations. *Ed.* and manag., Ky. Union Farmer.—*b.* Glasgow, Ky., Apr. 30, 1883; *s.* Flem and Mary (Harlow) H.; reared on farm; *m.* Luella M. Scovill, Sept. 13, 1916; *c.* Ruth Elizabeth, Helen Louise. A.B., Univ. Ky., 1909; student Univ. Wis., 1913-5; M.A., Univ. Mo., 1916. Alpha Zeta; Phi Gamma Delta.

Harrison, Fairfax, railway pres., Belvoir, Va.

Pres. Southern Ry. Co. and other corporations since 1913. Farmer. Pres. Va. State Fair Assoc., 1916–. *Ed.*, Roman Farm Management, 1913.—*b.* N. Y., Mar. 13, 1869; *s.* Burton and Constance (Cary) H.; *m.* Hetty Cary, June 6, 1894. B.A., Yale Univ., 1890; M.A., Columbia Univ., 1891; admitted to N. Y. Bar, 1892.

Harrison, Francis Charles, princ. MacDonald Coll. and dean of faculty of agr., McGill Univ., Macdonald College, Que.

Prof. bact., Ont. Agr. Coll., 1896; present position, 1909–. Fellow Royal Soc. of Canada. Lieut.-Col. Canadian Militia; asst. Adj.-Gen., Artillery Camp, Pelewawa, 1916-8. Rep. Canada in Intern. Dairy Conference, Budapest, 1910. Part ed., Microbiology; collaborating ed., La Revue Generale du Lait, Journal of Bacteriology.—*b.* England, 1871; *s.* F. Sladen H.; *m.* Margaret R. Mills; *c.* 2 sons, 3 daughters. B.S.A., Toronto Univ., 1892; B.Sc., McGill

Univ., 1906; studied at Cambridge Univ., Univ. Berne, Switzerland, Univ. Copenhagen, Denmark, Univ. Halle, Germany.

Harrison, Orlando, nurseryman and fruit-grower, Berlin, Md.
Mem. Md. State Senate, 1914–. Pres. Peninsula Produce Exchange; pres. Md. Hort. Soc.; pres. Amer. Assoc. Nurserymen; rep. Nat. For. Assoc.; rep. Atlanta Deeper Water Ways. Pres. Exchange and Savings Bank, Berlin, Md. *Auth.:* How to Grow and Market Fruit, 1911.—*b.* Roxana, Del., Jan. 27, 1867; *s.* Jos. G. and Katherine (Collins) H.; reared on farm; *m.* Ada H. Long, Jan. 15, 1894; *c.* G. Hale, Henry L., Orlando Jr., John L. B.S.A., Md. State Coll.

Harrison, Thomas James, prof. field husb., Man. Agr. Coll., Winnipeg, Man.
Asst. prof. field husb., Man. Agr. Coll., 1911-3; supt. Dominion Expl. Farm, Indian Head, Sask., 1913-5; present position, 1915–. Pres. Man. Seed Growers Assoc.; vice-pres. Intern. Farm Congress; vice-pres. W. Canada Soc. Agron.; sec. Dem. Farm Bd.—*b.* Carman, Man., Apr. 15, 1885; *s.* Wm. and Margaret (MacCullough) H.; reared on farm; *m.* Ethel Mary Playfair, Sept. 4, 1912; *c.* Archibald Wm., Jas. Allen, Dorothy Meryl. B.S.A., Man. Agr. Coll., 1911.

Harry, David G., farmer, Pylesville, Md.
Pres. Md. State Dairymens Assoc.; mem. Tri-State Milk Comn., 1916; dir. Nat. Fed. Milk Producers; lect. Md. State Grange and farmers insts.—*b.* Harford Co., Md., June 11, 1880; *s.* David and Maria (Warner) H.; reared on farm; *m.* Sara Lanius, Dec. 5, 1908; *c.* Helen Lanius, David G. Jr.

Hart, Betty Martin, home dem. agt., Bay City, Tex.
b. Dover, Ark., Aug. 2, 1887; *d.* John W. and Margaret H.; reared on farm. Student, Coll. Ind. Arts.

Hart, Edwin B., prof. agrl. chem., Univ. Wis., Madison, Wis.
Asst. chem., N. Y. Agr. Exp. Sta., Geneva, 1897-1902; assoc. chem., 1902-6; present position, 1906–. Fellow A. A. A. S. *Auth.:* General Agricultural Chemistry, 1910; Chemistry and Its Relation to Daily Life, 1913.—*b.* Sandusky, O., Dec. 25, 1874; *s.* Wm. and Mary (Hess) H.; reared on farm; *m.* Annie De Mille, 1903; *c.* Margaret V. B.S., Univ. Mich., 1897; studied Univ. Heidelberg and Marburg, 1900-1.

Hart, George H., assoc. prof. vet. sci., Univ. Calif., Berkeley, Calif.
Asst. path. and bact., path. div., Bur. An. Ind., U. S. Dept. Agr., 1903-8; field work, 1908-10; city vet., Los Angeles, 1910-7; present position, 1917–. Sec. Calif. State Vet. Med. Assoc. (Comparative bact. and path., dairy bact.).—*b.* Philadelphia, Pa., Oct. 10, 1883; *s.* John R. and Jane S. (Sheard) H.; reared on farm; *m.* Eva M. Cadman, Nov. 13, 1912. V.M.D., Univ. Penn., 1903; M.D., Geo. Washington Univ., 1908. Sigma Xi; Delta Tau Delta.

Hart, Lewis Raymond, teach. agr., Hammondsport, N. Y.
Asst. teach. agr., high-sch., Perry, N. Y., 1916; teach. agr., high-sch., Hammondsport, 1916–.—*b.* Ithaca, N. Y., May 27, 1893; *s.* Russell J. and Hattie (English) H.; reared on farm. B.S., Cornell Univ., 1916.

Hart, Richard Ambrose, sr. drainage engin., Bur. Public Roads, U. S. Dept. Agr., Salt Lake City, Utah.
Vice-pres. Utah Irrig. and Drainage Congress, 1918-9. (Drainage of irrig. lands).—*b.* York, Neb., Aug. 17, 1884; *s.* Ira A. and Alice (Booker) H.; reared in town; *m.* Hazel Elaine Barnes, June 17, 1914; *c.* John R. B.S. in E.E., Univ. Utah, 1907; C.E., 1912. Sigma Chi.

Hart, W. Edward, co. agrl. agt., Marion, Ill.
Orchardist and farmer, Va., 4 yrs., S. Ill., 3 yrs.; agrl. agt., Williamson Co., 1918–.—*b.* Brighton, Ill., Apr. 21, 1888; *s.* Wm. Henry and Alice Annette (Converse) H.; reared on farm; *m.* Hallie Josephine Miller, June 7, 1916. B.S.A., Univ. Ill., 1911. Sigma Xi; Alpha Zeta.

Hart, William R., prof. agrl. educ., Mass. Agr. Coll., Amherst, Mass.
Prof. psychology and educ., State Normal Sch., Peru, Neb., 1901-7; present position, 1907–. Educ. adv., Mass.

State Bd. Agr. *Assoc. ed.*, The Rural Educator. (Boys' and girls' clubs).—*b.* Green Co., Pa., Mar. 31, 1853; *s.* Jacob and Xaveria (Ross) H.; reared on farm; *m.* Mary E. McCray, Aug. 14, 1884. L B., Ia. State Law Sch., 1880; A.B., Univ. Neb., 1896; A.M., 1900.

Hartenbower, Andrew Cleveland, supt. insts. and ext. schs., Kans. State Agr. Coll., Manhattan, Kans.

Asst. agr., N. Mex. A. & M. Coll., 1906-7; prof. agr., Escuela Nacional de Agricultura y Veterinaria, Lima, Peru, 1907-9; asst. prof. agron., Okla. A. & M. Coll., 1910-3; princ. short-courses, 1913-4; dir. Guam Exp. Sta., 1914-7; present position, 1917–. Traveled W. Indies, S. and Cent. Amer., Mexico, Philippines, China, Japan.—*b.* Douglass, Kans., Dec. 6, 1885; *s.* A. J. and Katie Ann (McCarthy) H.; reared on farm; *m.* Eathel Rebecca Fleming, Dec. 10, 1907. B.S., Okla. A.&M. Coll., 1915.

Harter, Leonard Lee, plant path., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Sci. asst., U. S. Dept. Agr., 1903-5; asst. physiologist, 1906-8; asst. path., 1909-11; path., 1912–.—*b.* Moulton, Ia., Feb. 2, 1875; *s.* Aaron and Elizabeth (Replogle) H.; reared on farm; *m.* Nora Monterey Davis, Sept. 28, 1907; *c.* Helen S., Doris E., Stuart Davis. A.B., Univ. Neb., 1903; A.M., 1906; Ph.D., Geo. Washington Univ., 1917. Sigma Xi.

Harter, William Lewis, assoc. prof. farm manag., Ia. State Coll., Ames, Ia.

Prof. agr., Mt. Morris Coll., 1915-7; teaching fellow, Ia. State Coll, 1917-8; present position, 1918–. Fruit-grower, Custer, Mich., 1908-14.—*b.* Moulton, Ia., Sept. 25, 1876; *s.* Silas and Nancy (Replogle) H.; reared on farm; *m.* Flora Mary Ramage, 1904; *c.* Wm. L. Jr., Samuel Orion, Margaret Adaline. A.B., McPherson Coll., Kans., 1904; M.S., Ia. State Coll., 1918.

Hartle, Henry William, dir. agrl. dept., high-sch., Owatonna, Minn.

Farmer pure-bred Holsteins and Duroc-Jerseys, Steele Co., Minn., 3 yrs.—*b.* Owatonna, Minn., Sept. 16, 1894; *s.* John and Mary (Agar) H.; reared on farm; *m.* Harriet Louise Lange, Aug. 16, 1918; *c.* Virginia Harriet. B.S., Univ. Minn., 1918. Alpha Zeta; Sigma Phi Epsilon.

Hartley, Charles Henry, asst. dir. agrl. ext., W. Va. Univ., Morgantown, W. Va.

Mem. W. Va. Legislature, 1913.—*b.* Cottageville, W. Va., Sept. 15, 1884; *s.* Stephen A. and Louise Victoria (King) H.; reared on farm; *m.* Ruth Miller, July 14, 1915; *c.* Chas. H. Jr., Robt. Lawrence. B.S., W. Va. Wesleyan, 1908; B.S.A., W. Va. Univ., 1917.

Hartley, Charles Pinckney, chg. invests. in corn improvement, Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Teach., Ida., 1892-7; asst. hort. and instr. math., Kans. State Agr. Coll., 1897-9; present position, 1899–. Fellow A. A. A. S. *Auth.:* Injurious Effects of Premature Pollination, 1902; Broom Corn, 1903; Corn Growing, 1904; Production of Seed Corn, 1905; Harvesting and Storing Corn, 1907; Cross Breeding Corn, 1911; Popcorn, 1913;—*b.* Ripley Co., Ind., July 7, 1870; *s.* Wm. Lynn and Lucy Jane (Vines) H.; *m.* Anna Gano Brigham, July 25, 1905. B.Sc., Kans. State Agr. Coll., 1892; M.Sc., 1899.

Hartman, Henry, ext. asst. prof. hort., Ia. State Coll., Ames, Ia.

b. Marion, Kans., Dec. 11, 1888; *s.* H. and Leontine (Stillman) H.; reared on farm. B.S., Wash. State Coll., 1917. Gamma Sigma Delta; Delta Sigma Rho; Alpha Zeta.

Hartwell, Burt Laws, dir. agron. and chem. R. I. Exp. Sta. and prof. agrl. chem., R. I. State Coll., Kingston, R. I.

Asst. chem., Mass. Exp. Sta., 1889-91; 1st asst. chem., R. I. Exp. Sta., 1891-1903; assoc. chem., 1903-7; chem., 1907–; agron., 1913–; dir., 1912–; prof. agrl. chem., R. I. State Coll., 1908–. Fellow A. A. A. S. (Plant nutr.).—*b.* Littleton, Mass., Dec. 18, 1865; *s.* Chas. P. and Lucinda (Laws) H.; reared on farm; *m.* May Louise Smith, Sept. 9, 1891; *c.* Gladys. B.S., Mass. Agr. Coll., Boston Univ., 1889; M.S., 1900; Ph.D., Univ. Penn., 1903. Sigma Xi; Phi Kappa Phi.

Hartzell, Frederick Zeller, assoc. ent., N. Y. State Exp. Sta., Vineyard Lab., Fredonia, N. Y.

Field asst., Div. Zool., Dept. Agr., Harrisburg, Pa., 1906-8; asst. ent., N. Y. State Exp. Sta., 1909-12; assoc. ent., 1912-.—*b.* near Easton, Pa., Dec. 11, 1879; *s.* Newton P. and Missouri R. (Zeller) H.; reared on farm; *m.* Edith Mordorf Rupp, Mar. 24, 1910. A.B., Lafayette Coll., Easton, Pa., 1905; M.A., Cornell Univ., 1909. Sigma Xi.

Harvey, Edward Maris, prof. hort. research, Ore. Agr. Coll., Corvallis, Ore.

Acting prof. biol., Coll. William and Mary, Va., 1911-2; research asst. to Prof. Livingston, Desert Lab., Tucson, Ariz., 1912; asst. plant path., U. S. Dept. Agr., 1914-8; present position, 1918-. (Plant nutr. with reference to cultural practices for deciduous fruit-trees).—*b.* Galena, Kans., Mar. 20, 1888; *s.* Cyrus W. and Lavina (Carter) H.; reared on farm and in city; *m.* Bessie Neal, 1916; *c.* Sarah Margaret. A.B., Friends Univ., Wichita, Kans., 1910; Ph.D., Univ. Chicago, 1914.

Harvey, Lester F., co. agrl. agt., Federal Bldg., New Haven, Conn.

Dairy farmer, Washington, Conn., 1904-14; manag. Hingham Stock Farm, Mass., 1914-7; present position, 1917-. (Dairying).—*b.* Washington, Conn., May 2, 1883; *s.* Calvin F. and Ellen E. (Clark) H.; reared on farm; *m.* Laura B. Averill, May 25, 1909; *c.* Averill C., Ellen E. B.Agr., Conn. Agr. Coll., 1902; B.S., Mass. Agr. Coll., 1903.

Harvey, Marie Turner, teach. and lect. on rural educ., and founder The New Porter Rural Sch., Kirksville, Mo.

Teach. rural sch., Pontiac, Kans., 1885-7; primary teach., Old Orchard, Mo., 1889-91; supt. public schs., Clayton, 1891-1902; critic teach., State Normal Sch., Kirksville, 1907-8; inst. lect. and teach. Model Rural Sch., State Normal Sch., 1910-2; present position, 1912-. Special collaborator in rural educ., U. S. Bur. Educ.; chm. Com. on Rural Schs., Nat. Educ. Assoc.; mem. adv. bd., Mo. Home-Makers Conference; mem. state exec. bd., Mo. Parent-Teachers Assoc.—*b.* Port Washington, Wis., May 13, 1869; *d.* Franklin and Anna Marie (Zimpelman) Turner; reared on farm; *m.* Clay Harvey, 1902.

Harvey, Samuel Hugh, instr. agr., high-sch., Brimfield, Mass.

Instr. agr., high-sch., Clinton, Mass., 1917. Served in U. S. Army, 2 yrs.; instr. veg. gard., A. E. F. Univ., Beaune, France, 1919. (Dairying).—*b.* Willimantic, Conn., July 7, 1894; *s.* Samuel B. and Evelyn M. (Bennett) H.; reared on farm. B.S., Wesleyan Univ. Chi Psi.

Harvey, Thurlow Weed, agrst., co. agt. work, States Relations Serv., U. S. Dept. Agr., Washington, D. C.

Asst. co. agt. leader in Ind., 1914-8; present position, 1918-.—*b.* Fairmount, Ind., Aug. 12, 1888; *s.* John W. and Elizabeth (Price) H.; reared on farm; *m.* Helen Louise Arnold, Aug. 19, 1913; *c.* Thurlow W. Jr. Student Whittier, (Calif.) Coll., 1907-8; Leland Stanford Univ., 1908-10; B.S.A., Purdue Univ., 1914. Phi Kappa Sigma; Sigma Delta Chi; Alpha Zeta.

Haseman, Leonard, prof. ent. and ent. Exp. Sta., Univ. Mo., Columbia, Mo.

Asst. ent., Univ. Fla., 1905-6; asst., Univ. Mo., 1906-8; asst., Cornell Univ., 1908-10; instr. ent., Univ. Mo., 1910-2; asst. prof., 1912-6; assoc. prof., 1916-20; prof., 1920-. Chief nursery insp., Mo., 1913-.—*b.* Linton, Ind., Mar. 26, 1884; *s.* J. D. and Elizabeth C. (Shultze) H.; reared on farm; *m.* Elosia B. Fish, 1910; *c.* Joseph F., Leonard L., Wilber C. A.B., Univ. Ind., 1905; A.M., 1907; Ph.D., Cornell Univ., 1910. Sigma Xi; Gamma Sigma Delta; Gamma Alpha.

Hasik, John D., farmer, David City, Neb.

Teach. public schs., 1896-1903. Mem. Neb. Legislature, 2 terms; mem. State Bd. Agr., 2 terms; pres. Butler Co. Fair Assoc.; pres. Butler Co. Farm Bur. (Soils and corn).—*b.* Bohemia, Apr. 9, 1874 (naturalized 1895); *s.* Mathias and Katherine H.; reared on farm; *m.* Emma Ruby Faytinger, Sept. 21, 1898; *c.* Otto, Milo, Clarence, Dorothy, Irene.

Haskell, Earl S., asst. agrst., Off. Farm Manag., U. S. Dept. Agr., Washington, D. C.

Agrl. insp., Bur. Agr., Philippine Isls., 1909-12; chg. Baguia Exp. Sta., 1909-11; present position, 1913-. Traveled Japan, 1911, Europe, 1912.—*b.* Des

Moines, Ia., Oct. 5, 1886; *s.* Orville C. and Jane L. (Winslow) H.; reared on farm; *m.* Mabel Sanborn, Mar. 13, 1917; *c.* Ruth Sanborn. B.S.A., Ia. State Coll., 1908; M.S.A., 1909. Delta Sigma Rho; Gamma Sigma Delta.

Haskell, Royal Joslin, plant path., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

b. Rochester, Mass., Jan. 27, 1890; *s.* Geo. B. and Annie E. (Joslin) H.; reared on farm; *m.* Myrta M. Brown, May 29, 1916. B.S., Dartmouth Coll., 1912; Ph.D., Cornell Univ., 1917. Sigma Xi.

Haskell, Sidney Burritt, dir. Mass. Exp. Sta., Amherst, Mass.

Asst. agron., Hatch Exp. Sta., 1904-5; instr., Mass.. Agr. Coll., 1905-10; asst. prof., 1910-2; assoc. prof., 1912-5; prof., 1915-6; gen. dir. Soil Improvement Com., Nat. Fertilizer Assoc., Baltimore, 1916-20; present position, 1920-.—*b.* Fargo, N. D., May 24, 1881; *s.* E. B. and A. E. (Gould) H.; reared on farm and in city; *m.* Florence L. Dacy, Dec. 25, 1908; *c.* Nelson B., Florence W. B.S., Mass. Agr. Coll., 1904. Alpha Sigma Phi; Phi Kappa Phi.

Haskins, Henri Darwin, chg. fert. and soil lab., Mass. Exp. Sta., Amherst, Mass.

Asst. chem., Mass. Exp. Sta., 1897-1907; present position, 1907-.—*b.* Amherst, Mass., Dec. 27, 1870; *s.* Sylvester Henry and Elvira (Grey) H.; reared on farm; *m.* Fannie E. Graves, Oct. 10, 1895; *c.* Gerald Everard. B.Sc., Mass. Agr. Coll., 1890.

Haslett, Henry Ernest, sci. asst. an. husb., Mass. Agr. Coll., Amherst, Mass.

Asst. co. agt. Monroe Co.; agrl. agt. Seneca Co., 1917; ext. sheep specialist, Mass. Agr. Coll., 1917-.—*b.* Seneca, N. Y., May 21, 1882; *s.* Edwin and Anna M. (Smith) H.; reared on farm; *m.* Julia M. Dean; *c.* Ernest Vernon, Harold E. B.S., Cornell Univ., 1917.

Hastings, Edwin George, prof. agrl. bact., Univ. Wis., Madison, Wis.

Asst. agrl. bact., Univ. Wis., 1899-1902; instr., 1902-5; asst. prof., 1905-9; assoc. prof., 1909-13; prof., 1913-. Fellow A. A. A. S. Mem. Wis. Live-Stock Sanitary Bd. *Auth.:* (with Russell) Experimental Dairy Bacteriology, 1909; (with Russell) Agricultural Bacteriology, 1915; (with Russell) Outlines of Dairy Bacteriology, 1920. Contributor to Microbiology. (Dairy bact.).—*b.* Austinburg, O., Aug. 11, 1872; *s.* O. P. and Susan (Rose) H.; reared on farm; *m.* Elva J. Waters, Sept. 16, 1902. B.S., Ohio State Univ., 1898; M.S., Univ. Wis., 1899. Sigma Xi; Sigma Alpha Epsilon.

Hastings, Eugene M., Holstein advertising and sale manag., Lacona, N. Y.

With Brookside stock farm, 1900-9; mem. Stevens Bros.-Hastings Co. (owners Brookside herd), 1905-9; established E. M. Hastings Co., 1909. One of two joint founders, Holstein-Friesian World, 1904 and ed. eastern edition, 1914-5; founder with M. S. Prescott, Black and White Record and ed. 1916-8. 1st Lieut., Amer. Red Cross, Bur. Hospital Adminis., France.—*b.* Oneida Co., N. Y., May 13, 1876; *s.* John H. and Charlotte (Rushmer) H.; reared in country; *m.* Carolyn M. Haven, 1898; *c.* Perry, Robt. Grad. N. Y. State Normal Coll., 1900.

Hastings, Harry George, seedsman, Atlanta, Ga.

Seedsman in Fla., 1889-99; Ga., 1899-; pres. H. G. Hastings Co., seedsmen; ex-sec. Fla. State Hort. Soc.; mem. agrl. com., U. S. Chamber of Commerce; pres. Greater Ga. Assoc.; pres. Southeastern Fair Assoc. of Atlanta. Vice-pres. Ruralist Press, Inc.; vice-pres. Southern Ruralist Co.—*b.* Springfield, O., Mar. 8, 1869; *s.* Geo. W. and Candace L. (White) H.; *m.* Pearl M. Freeborn, Dec. 25, 1891; *c.* Wm. Raymond, Harry Stanley, Donald Madison. Student Oberlin Coll., 1884-5.

Hasty, William Dozier, distr. agrl. agt., Barnesville, Ga.

Agrl. agt., Thomas Co., Ga., 1917-9; present position, 1919-. Mem. M. T. C., U. S. Army, serving 15 mos. in France. —*b.* Canton, Ga., Mar. 1, 1890; *s.* Wm. Thos. and Sarah C. (Cagle) H.; reared on farm; *m.* Mary Elizabeth Chastain, Dec. 17, 1919. B.S.A., Univ. Ga., 1916. Lambda Chi Alpha.

Haswell, John Robert, farm mech. specialist, Penn. State Coll. and sr. drainage engin., U. S. Bur. Public Roads, State College, Pa.

Asst. to Prof. H. N. Ogden, Cornell Univ., 1909; drainage engin. in coop. with Md. Ext. Serv., 1911-6; jr. topographer, U. S. Geol. Survey, 1909; geologic draftsman, Penn. R. R., 1909-10. Capt. Engin. Corps, U. S. Army, 1917-9; served in A. E. F. (Land drainage in eastern states).—*b.* Baltimore, Md., Aug. 6, 1886; *s.* Jas. N. and Esther J. (England) H.; reared in city; *m.* Marion Paschall Frederick, Aug. 23, 1917. C.E., Cornell Univ., 1909. Sigma Xi.

Hatch, Frederic Lewis, farmer and lect., Spring Grove, Ill.

Trustee Univ. Ill., 12 yrs. Traveled in Cuba and Mexico. *Auth.:* Hundreth Man in Agriculture, 1879.—*b.* Spring Grove, Ill., Nov. 1, 1848; *s.* Lewis and Maud Ana (Cole) H.; reared on farm; *m.* Ethelyn Baker, Dec. 21, 1906. A.M., Univ. Ill., 1873; hon. degree, Univ. Wis., 1918.

Hatch, Kirk Lester, prof. agrl. educ., Univ. Wis., Madison, Wis.

Princ. high-schs., Sextonville, Black Earth, Waterloo, Wis., 1896-1907; princ. Co. Sch. of Agr., Winneconne, Wis., 1907-8; present position, 1909–. *Auth.:* Elementary Agriculture, 1907; Profitable Dairying, 1908; High-school Agriculture, 1913. *Ed.*, American Agriculture Series.—*b.* Loyd, Wis., June 27, 1871; *s.* L. M. and Margaret (Rhinehardt) H.; reared on farm; *m.* Florence Adele Cushman, Oct. 17, 1896. B.S., Univ. Wis., 1909.

Hathaway, Floyd Cecil, co. agrl. agt., Grafton, N. D.

General farmer, Minn., 1898-1906; teach. agr. and manual training, Redfield, S. D., 1912-3; teach. agr., State Normal and Ind. Sch., Ellendale, N. D., 1913-8. *Auth.:* Teaching Agriculture in the Rural School, 1916.—*b.* Boone Co., Ill., Dec. 13, 1883; *s.* Willie Nash and Minnie Jane (Brooks) H.; reared on farm; *m.* Mable Ethel Hay, Aug. 29, 1912. *c.* Ruth Dorothy, Donald Floyd. B.S., S. D. State Coll., 1912.

Hauter, Lillo Holly, ext. agrl. ed., N. Mex. A. & M. Coll., State College, N. Mex.

In ext. work, Purdue Univ., 1912; instr. agr., high-sch., Cheney, Wash., 1912-3; dir. agr., public schs., E. Grand Forks, Minn., 1913-5; dir. agr., public schs., Northfield, Minn., 1915; present position, 1918–. (Farm manag. and econ.).—*b.* La Salle, Ill., July 2, 1887; *s.* Oscar E. and Helen B. (Hirschy) H.; reared on farm. B.S., Purdue Univ., 1912; M.S., 1918. Alpha Zeta; Sigma Pi.

Haverstick, Harry Hoyt, co. agrl. agt., Franklin, Pa.

Instr. sci. and agr., Kiskinnetas Acad., Pa., 1914-5.—*b.* Mt. Jay, Pa., Oct. 27, 1882; *s.* John M. and Elvina (Warfel) H.; reared on farm; *m.* Helene E. Wieneke, Jan. 15, 1917. B.S., Penn. State Coll., 1916; Engin., 1918. Kappa Sigma.

Havner, Harry Harrison, prof. an. husb. ext., Penn. State Coll., State College, Pa.

Asst. an. husb., Penn. State Coll., 1911-2; instr., 1912-4; asst. prof., 1914-6; assoc. prof., 1916-7; assoc. prof. an. husb. ext., 1917-8; prof., 1918–. Vet. ed., National Stockman and Farmer.—*b.* Corydon, Ia., Nov. 11, 1888; *s.* Geo. J. and Dora (Simmons) H.; reared on farm; *m.* Ruth Adeline Stearns, Aug. 20, 1913; *c.* Harry Dean, Robt. Stearns. D.V.M., Ia. State Coll., 1911; M.S.A., Penn. State Coll.. 1916. Phi Sigma Kappa; Alpha Zeta.

Haw, John W., asst. co. agt. leader, N. D. Agr. Coll., Agricultural College, N. D.

Princ. agrl. high-sch., Arlington, Minn., 2 yrs.; supt. agrl. dept., Putnam Agr. Sch., Sleepy Eye, Minn., 3 yrs.; co. agrl. agt., Langdon, N. D.—*b.* Lewisville, Wis., Oct. 23, 1889; *s.* John and Clara (Perkins) H.; reared on farm; *m.* Frances Ehmke, July 2, 1910; *c.* Nivea, Robt., Nathan.

Hawes, Howard Haldane, co. agrl. agt., 419 Federal Bldg., Providence, R. I.

Teach. public schs., Barrington, R. I., 1 yr.; asst. co. agt., 1918-9; agt. Providence and Bristol Cos., 1919–. (Dairying).—*b.* E. Providence, R. I., Dec. 12, 1895; *s.* Addison S. and Ella D. (Jenks) H.; reared on farm; *m.* Edith Benedict, July 9, 1915; *c.* Meredith, Addison. Student, R. I. State Coll. Beta Phi.

Hawkes, John Carroll, instr. agr., high-sch., Harwich, Mass.

Teach. agr., Knut's Hill Sem., Me., 1 yr.; high-sch., New Sharon, Me., 1 yr.; Harwich, Mass., 1918–.—*b.* S. Windham, Me., Aug. 23, 1891; *s.* Hiram C. and Zelia F. (Cobb) H.; reared on farm; *m.* Bertha Marion Hunnewell, June 23, 1917. Grad. Univ. Me., 1914.

Hawkins, Emin W., co. agrl. agt., Springfield, O.

2d Lieut. Air Serv., U. S. Army, 14 mos. (An. husb.).—*b.* Fairmount, Ill., Mar. 23, 1894; *s.* W. C. and Mable (Witherspoon) H.; reared on farm. B.S., Univ. Ill., 1916. Alpha Gamma Rho.

Hawkins, Layton S., chief div. voc. educ., Fed. Bd. for Voc. Educ., Washington, D. C.

Instr. sci. and agr., State Normal Sch., Cortland, N. Y., 1904-10; dir. agr., 1910-2; specialist in agrl. educ., N. Y. State Educ. Dept., 1912-6; dir. agrl. and ind. educ., 1917; asst. dir. agrl. educ., Fed. Bd. for Voc. Educ., 1917-8; chief div. voc. educ., 1918–. Mem. exec. com., Amer. Assoc. for Adv. of Agrl. Teaching. Rep. State Educ. Dept. on N. Y. State Food Supply Comn., 1917.—*b.* Chemung Co., N. Y., Jan. 4, 1877; *s.* C. Frank and Sabina E. (Layton) H.; reared on farm; *m.* Caroline Monell Curry, July 31, 1900; *c.* Layton S. Jr. A.B., Amherst Coll., 1904; A.M., 1907. Delta Upsilon.

Hawks, Emma Beatrice, asst. librarian, U. S. Dept. Agr. Library, Washington, D. C.

b. Williamsburg, Mass., June 27, 1871; *d.* Wm. A. and Linda M. (Eagley) H.; reared in town. A.B., Smith Coll., 1892; student N. Y. State Library Sch.

Hay, Clair Edwards, co. agrl. agt., Taylorville, Ill.

b. Kankakee, Ill., Aug. 27, 1890; *s.* Leon and Mary J. (DeLagneau) H.; reared on farm; *m.* Grace E. Trobaugh, Mar. 12, 1913; *c.* Constance Edith. B.S., Univ. Ill., 1913. Alpha Zeta.

Hayes, Fred Montreville, assoc. prof. vet. sci., Univ. Calif., Davis, Calif.

Instr. vet. sci., Kans. State Agr. Coll., 1908-11; instr., Univ. Calif., 1912-3; asst. prof., 1913-9; assoc. prof., 1919–. Pres. Calif. State Vet. Med. Assoc., 1919.—*b.* Bourbon Co., Kans., July 30, 1885; *s.* Harvey Lewis and Eva (Higbie) H.; reared on farm and in city; *m.* Flora Cornelia Knight, July 17, 1912. D.V.M., Kans. State Agr. Coll., 1908.

Hayes, Herbert Kendall, assoc. prof. plant-breeding, Univ. Minn., University Farm, St. Paul, Minn.

Asst. agron., Conn. Exp. Sta., 1908-11; plant-breeder, 1911-4; present position, 1915–.—*b.* Granby, Conn., Mar. 11, 1884; *s.* Marshall C. and Mary Ella (Merriam) H.; reared on farm; *m.* Anna A. Cushman, Sept. 28, 1911; *c.* Herbert, Mary. B.S., Mass. Agr. Coll., 1908; M.S., Harvard Univ., 1911. Kappa Sigma.

Hayes, Martin Luther, prof. voc. teaching, Tex. A. & M. Coll., College Station, Tex.

Teach. Latin, German, math., Everton Acad., Mo., 1902-3; Latin and sci., Marshall high-sch., Mo., 1903-5; princ. sci., Slater high-sch., 1906-7; supt. schs., Oak Grove, 1907-8; supt. Steelville, 1909-11; present position, 1913–. Mem. Com. on Agr., Nat. Educ. Assoc. Contributing ed., Texas School Journal. —*b.* Marshall, Mo., Feb. 6, 1877; *s.* Martin and Lizzie (Dull) H.; reared on farm; *m.* Maybelle Wallin, 1908; *c.* M. Edwin. A.B., Mo. Valley Coll., Marshall, 1902; A.M. in Educ. and B.S.A., Univ. Mo., 1913.

Haynes, Frank S., grain and live-stock farmer, Geneseo, Ill.

Pres. Ill. Farmers Inst.—*b.* Granville, Ill., Sept. 9, 1866; *s.* Henry B. and Lucy W. (Barnard) H.; reared on farm; *m.* Clara M. Wood, June 3, 1896; *c.* Henry H., Florence W., Margaret.

Haynes, Fred Emory, asst. prof. sociol., State Univ. Ia., Iowa City, Ia.

Instr., Univ. Calif., 1892-5; prof. econ. and sociol., Morningside Coll., Sioux City, Ia., 1900-14; present position, 1914–. *Auth.:* Third Party Movements, 1916. (Rural sociol.).—*b.* Mass., Dec. 20, 1868; *s.* Chas. Emory and Ellen R. (Warner) H.; reared in town. A.B., Harvard Univ., 1889; A.M., 1890; Ph.D., 1891.

Haynie, Elmer Arthur, state superv. voc. educ., Univ. Fla., Gainesville, Fla.

Princ. high-sch., Sulphur Springs, Tex., 1911-7; N. Tex. State Normal, summer 1915; teach. voc. agr., Jefferson Co. high-sch., Birmingham, Ala., 1917-9; present position, 1919–. Manag. stock farm, Nashville, Tenn., 1909-10; manag. southern plantations, Uniontown, Ala., 1910-1.—*b.* Loachapoka, Ala., Sept. 25, 1889; *s.* F. E. and Mary Jane (Duke) H.; reared on farm; *m.* Myrtie Yantis, May 20, 1912; *c.* Evelyn Hope. B.S.A., Ala. Poly. Inst., 1910.

Hays, John C., rancher and stockman, Pilot, Wyo.

Formerly co. agrl. agt., Casper, Wyo. Served in U. S. Army.—*b.* Loveland, Colo., May 26, 1887; *s.* John and O. E. (Gard) H.; reared on farm; *m.* Norma V. Jourgensen, Sept. 17, 1919. B.S.A., Colo. Agr. Coll., 1912. Sigma Alpha Epsilon.

Hays, Maurice Eugene, hort. ext. serv., Tex. A. & M. Coll., College Station, Tex.

Ent. ext. serv., Tex. A. & M. Coll., 1916-7; hort., 1919–. U. S. Air Serv., 1917-9. Sec. Tex. Hort. Assoc. (Peach production).—*b.* Midway, Mo., Jan. 26, 1893; *s.* J. and Elnora (Henderson) H.; reared on farm; *m.* Gladys J. Davis, Feb. 17, 1918. B.S.A., Univ. Mo., 1915; M.A., 1916. Gamma Sigma Delta.

Hays, Willet Martin, farmer, West Chester, Pa.

Asst. agr., Ia. State Coll., 1886; assoc. ed., Prairie Farmer, Chicago, 1887; asst. prof. agr., Univ. Minn., 1888-9; prof., 1890-1; prof. agr., N. D. Agr. Coll., 1892-3; prof. agr. and agrst. Exp. Sta., Univ. Minn., 1894-1904; asst. sec. agr., Washington, 1905-12; adv. to Argentine minister of agr., 1913; adv. to Univ. of Tucuman, 1914; farmer, 1915–. Organizer and sec. Amer. Genetics Assoc., 1903-12 and ed. Journal of Heredity, 1910-2; organizer and sec. Minn. Field Corps Breeders Assoc. First pres. Peace Soc. of Washington, 1912-3; original author and promoter U. S. voc. educ. law; hon. mem. Bd. Regents, Univ. Tucuman. Traveled in Europe and S. America. *Auth.:* Rural School Agriculture, 1903; Breeding Plants and Animals, 1904; Farm Development, 1910.—*b.* Union, Ia., Oct. 19, 1859; *s.* Silas and Christena (Lepley) H.; reared on farm; *m.* Clara Sheppard, 1885 (d. 1893); 2d, Ellen Beach, 1897; *c.* Bessie, Myron E., Doris Marie, Silas B. B.Agr., Ia. State Coll., 1885; M.Agr., 1896. Sigma Xi.

Hayward, Harry, agrl. div. N. W. Ayer & Son Advertising Agency, 123 Elmwood Ave., Narberth, Pa.

Asst. dairy husb., Penn. State Coll., 1894-6; instr., 1896-8; asst. prof., 1898-1902; prof. an. and dairy husb., N. H. A. & M. Coll., 1902-3; asst. chief Dairy Div., Bur. An. Ind., U. S. Dept. Agr., 1903; dir. dept. agr., Mt. Hermon Boys' Sch., 1903-6; dean dept. agr. and dir. Exp. Sta., Del. Coll., 1906-19; present position, 1920–. Dir. Coll. Agr., A. E. F. Univ., Beaune, France. Ex.-mem. State Bd. Educ. Dir. Farmers' Trust Co., Newark, Del.; ex.-trustee Ferris Ind. Reform Sch.—*b.* Lewiston, N. Y., May 19, 1869; *s.* Geo. Calvin and Frances (Baker) H.; reared on farm; *m.* Lillian Woolson, Sept. 7, 1897; *c.* Mary Frances. B.S.A., Cornell Univ., 1894; M.S., 1901; special course in agr., Univ. Minn., Hamelin Dairy Sch., Germany, Reading (England) Coll., Harvard Med. Sch. Sigma Xi; Phi Kappa Phi; Kappa Sigma.

Hazen, Leslie Eugene, prof. rural engin., Okla. A. & M. Coll., Stillwater, Okla.

Special agt., U. S. Dept. Agr., 1906-9; farmer, 1908-10; instr. agr. and military drill, S. Kans. Acad., 1910-1; asst. in dry land agr., U. S. Dept. Agr., 1911-3; instr. farm mech., Cornell Univ., 1913-6; asst. prof., 1917-8; prof. rural engin., Rutgers Coll., 1918-9; present position, 1919–. (Farm automotive machinery). —*b.* Centralia, Kans., Nov. 8, 1884; *s.* Newlon Seward and Elizabeth Caroline (Ewing) H.; reared on farm; *m.* Ella V. Brooks, Sept. 15, 1909; *c.* Xerlan Ruth, Gretzolon Lange. B.S. in Agr., Kans. State Agr. Coll., 1906; M.E., Cornell Univ., 1916.

Headlee, Thomas J., prof. ent. and ent. Exp. Sta., state ent., Rutgers Coll., New Brunswick, N. J.

Asst. ent., N. H. Exp. Sta., 1906-7; assoc. ent., July-Oct., 1907; prof. ent., Kans. State Agr. Coll., ent. Exp. Sta., state ent., 1907-12; present position, 1912–. Fellow A. A. A. S. Sec.-treas.

N. J. Mosquito Extermination Assoc. —*b.* White Co., Ind., Feb. 13, 1877; *s.* Josephus and Ruann (Mattix) H.; reared on farm; *m.* Blanche Ives, 1903; *c.* Mary Ruanna, Josephine, Miriam Esther, Ruth Margaret. A.B., Univ. Ind., 1903; A.M., 1904; Ph.D., Cornell Univ., 1906. Sigma Xi; Phi Beta Kappa; Alpha Zeta.

Heald, Franklin Ernest, state agt. for training agrl. teachers, Mass. Dept. Educ., Amherst, Mass.

Princ. secondary schs., 1899-1914; specialist in agrl. educ., U. S. Dept. Agr., 1914-8; present position, 1918–. Sec. Amer. Assoc. for Adv. Agrl. Teaching, 1917-9; pres., 1919–.—*b.* Brattleboro, Vt., Nov. 10, 1873; *s.* Wm. F. and Jennie E. (Clayton) H.; reared in village and on farm; *m.* Grace E. Boyd, Aug. 28, 1901; *c.* Theodore B., Kenneth F. B.S., Dartmouth Coll., 1897; M.A., 1908. Phi Delta Theta.

Heald, Frederick De Forest, head dept. plant path. and path. Exp. Sta., Wash. State Coll., Pullman, Wash.

Prof. biol., Parsons Coll., Fairfield, Ia., 1897-1903; adj. prof. plant physiology, Univ. Neb., 1903-5; assoc. prof. bot. and bot. Exp. Sta., 1905-6; prof. agrl. bot. and bot. Exp. Sta., 1906-8; head Sch. Bot., Univ. Tex., 1908-12; path. Pa. Chestnut Tree Blight Comn., 1912-4; present position, 1915–. Collaborator, U. S. Dept. Agr., 1908; expert, 1909-10; agt., 1912-4; collaborator, 1915–. Mem. Wash. State Insecticide and Fungicide Bd. Fellow A. A. A. S. *Auth.:* Revision of Analytic Keys to Genera and Species of North American Mosses, 1897; Laboratory Manual in Elementary Biology, 1902; (with Lewis) Experiments in Plant Physiology, 1910. *Assoc. ed.*, Phytopathology, 1911-6, 1919–.—*b.* Midland City, Mich., July 23, 1872; *s.* Henry Francis and Hettie (Charles) H.; reared on farm; *m.* Nellie Townley, Dec. 27, 1899; *c.* Adelaide, Henry T., Marian Bessey. B.S., Univ. Wis., 1894; M.S., 1896; Ph.D., Leipzig Univ., 1897. Phi Beta Kappa; Sigma Xi; Alpha Zeta; Phi Kappa Phi.

Healey, Leonard H., farmer, sec. State Bd. Agr., N. Woodstock, Conn.

Past-master State Grange; past-overseer Nat. Grange; sec. Conn. State Fairs Assoc.—*b.* Des Moines, Ia., Oct. 9, 1865; *s.* Amasa A. Child and Sarah L. (Child) H.; reared on farm; *m.* Carrie A. Blackmar, June 13, 1889; *c.* Maude Elizabeth, John Blackmar, L. H. Jr., Ewart Gladstone, Merrill Loring, Beatrice Child, Sarah Estelle.

Healy, Daniel Joseph, prof. agrl. bact., bact. Exp. Sta., Univ. Ky., Lexington, Ky.

Anat., Surgeon General's Off., 1904-7; supt. Ky. Inst. for Feeble-Minded Children, 1909-10; bact., Ky. Exp. Sta., 1910–; prof. bact.. Univ. Ky., 1911-9; prof. agrl. bact., 1919–. Mem. Com. Bact. Standards, Assoc. Amer. Dairy Food and Drug Officials, 1911-3; pres. Ky. Audubon Soc.; vice-pres. Fayette Co. Med. Soc.; mem. Lexington City Bd. of Health.—*b.* Toronto, Canada, Mar. 26, 1873 (naturalized 1900); *s.* Wm. and Eleanor (McCarthy) H.; reared in city; *m.* Louise Susette Bergmann, June 26, 1902. M.D.C.M., McGill Univ., 1896.

Heard, Blanche May, home dem. agt., De Ridder, La.

Primary teach., public schs., Ruston, La., 9 yrs.—*b.* Lincoln Parish, La., Mar. 20, 1891; *d.* S. J. H.; reared on farm and in town. La. Ind. Inst., 1910; student Univ. Chicago, Peabody Coll.

Heard, Clyde Harmon, agt. in marketing, U. S. Dept. Agr. and Univ. Neb., Lincoln, Neb.

Agrst. consolidated schs., Twin Falls, Ida., 1912; assoc. prof. agr., State Normal Sch., Peru, Neb., 1912-5; first asst. hort., Univ. Ark., 1915-8; invest. marketing, food products insp., and market news serv., U. S. Bur. Markets, Des Moines, Ia., 1918-9; present position, 1919–.—*b.* Wheatland, Mo., July 2, 1889; *s.* Wm. Earl and Addie M. (Bartohe) H.; reared on farm and in city; *m.* Eunice Ella Mutz, Aug. 1, 1915; *c.* Wm. Russell, Ben. Robt. B.S.A., Univ. Ida., 1910; M.S.A., 1912; Univ. Neb., 1919.

Heard, Dwight Bancroft, loan and investment business, Phoenix, Ariz.

With Hibbard, Spencer, Bartlett & Co., wholesale hardware, Chicago; gen. manag. Bartlett-Heard Land & Cattle

Co. Pres. Ariz. Pub. Co.; mem. nat. adv. comn. on beef for Fed. Food Adminis. Mem. 1st Conservation Congress, 1908. Ex-pres. Amer. Nat. Live-Stock Assoc.—*b.* Boston, Mass., May 1, 1869; *s.* Leander B. and Lucy (Howard) H.; *m.* Maie P. Bartlett, Aug. 10, 1894.

Hechler, William Roy, assoc. prof. farm crops, Ia. State Coll., Ames, Ia.

Instr. farm crops, Ia. State Coll., 1911-2; asst. prof., 1913-5; assoc. prof., 1916–. Sec. Ia. Corn and Small Grain Growers Assoc., 1920.—*b.* Dalton, Mo., Nov. 8, 1888; *s.* Geo. and Eliza (Sassee) H.; reared on farm. B.S.A., Univ. Mo., 1911. Sigma Xi; Alpha Zeta; Phi Kappa Phi; Alpha Gamma Rho.

Hecht, August George, asst. prof. flor., Mass. Agr. Coll., Amherst, Mass.

Instr. hort., Univ. Ill., 1914-6; present position, 1917–. In U. S. Army, 1918-9.—*b.* Overland, Mo., June 6, 1892; *s.* John and Marie (Krieger) H.; reared on farm; *m.* Olive Neville, Dec. 10, 1917. B.S., Univ. Ill., 1914.

Hecke, George Henry, fruit-grower and dir. Calif. State Dept. Agr., Sacramento, Calif.

Formerly expert in viticulture, U. S. Dept. Agr.; state comnr. hort.—*b.* Hamburg, Germany, Jan. 4, 1870 (naturalized 1898); *s.* Robt. and Augusta H.; reared in city; *m.* Elizabeth Welch; *c.* Lelia, Martha. Educ. Royal Hort. Coll., Geisenheim, Germany, La Pyramide pres Angers, France, Royal Bot. Gard., Kew, England.

Hedgcock, George Grant, path., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Princ. public sch., Oak, Neb., 1891-3; Ruskin, Neb., 1893-5; asst. bot., Univ. Neb., 1899; sci. asst., Bur. Plant Ind., 1901; asst. path., 1902-8; path., 1908–. Farm månag., Nuckolls Co., Neb. 5 yrs. (Tree fungi, especially rusts).—*b.* Augusta, Ill., Oct. 5, 1863; *s.* Barnett and Sarah Lutitia (Haines) H.; reared on farm; *m.* Lora Ladelle Merrill; *c.* Ruthe Elaine, Leland Merrill, Margaret Delletta. B.S., Univ. Neb., 1899; A.M., 1901; Ph.D., Washington Univ., 1906. Sigma Xi.

Hedges, Arthur F., co. agrl. agt. Wheeling W. Va.

Prof. agr., Northland Coll., Ashland, Wis., 1916-7; agt. Gilmer Co., W. Va., 1917-9; Ohio Co., 1919–. (Marketing and organization).—*b.* Bradford, N. Y., Aug. 30, 1889; *s.* Frank and Eva (Mathews) H.; reared on farm. B.S., Univ. Wis., 1915. Alpha Zeta.

Hedge, James Clay, co. agrl. agt., Court House, Akron, O.

b. Sarahsville, O., Apr. 25, 1888; *s.* John K. and Emma (Brown) H.; reared on farm; *m.* Marie E. Kohr, Nov. 28, 1917. B.S.A., Ohio State Univ., 1911.

Hedges, Florence, asst. path., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Student asst. bot., Univ. Mich., 1901-2.—*b.* Lansing, Mich., Aug. 24, 1878; *d.* Hiram and Louise J. (Gibson) H.; reared in city. A.B., Univ. Mich., 1901.

Hedrick, Ulysses Prentiss, hort., N. Y. Agr. Exp. Sta., Geneva, N. Y.

Asst. hort., Mich. Agr. Coll., 1893-5; prof. bot. and hort., Ore. Agr. Coll., 1895-7; prof. bot. and hort., Utah Agr. Coll., 1897-9; asst. prof. hort., Mich. Agr. Coll., 1899-1902; prof., 1902-5; present position, 1905–. Fellow A. A. A. S. *Auth.:* Grapes of New York, 1907; Plums of New York, 1910; Cherries of New York, 1914; Peaches of New York, 1917; Manual of American Grape-Growing, 1919.—*b.* Independence, Ia., Jan. 15, 1870; *s.* Benj. F. and Mary Catherine (Myers) H.; reared on farm; *m.* Amy Willis Plummer, June 23, 1898; *c.* Catherine Layton, Penelope Rodney, Ulysses P. Jr. B.S., Mich. Agr. Coll., 1893; M.S., 1895; D.Sc., Hobart Coll., 1913. Sigma Xi.

Hedrick, Wilbur Olin, prof. econ., Mich. Agr. Coll., E. Lansing, Mich.

Instr. English, Mich, Agr. Coll., 1891-3; asst. prof. econ., 1893-1906; prof. econ. and hist., 1906-16; prof. econ., 1916–. Collaborator U. S. Dept. Agr. in rural credit research, 1914-6. *Auth.:* History of Railroad Taxation in Michigan, 1911.—*b.* Elkhart Prairie, Ind., Apr. 3, 1868; *s.* Benj. F. and Mary C. (Myers) H.; reared on farm; *m.* Lucilia Baker, Aug. 3, 1898; *c.* Helen Elizabeth, Hester Baker, Amy Jeanette, Marion. B.S., Mich. Agr. Coll., 1891; M.S., Univ. Mich., 1896; Ph.D., Univ. Mich., 1909.

Heffron, Samuel Ray, co. agrl. agt., London, O.

Field agt. forage crops, U. S. Dept. Agr., 1911-8; present position, 1918-.—*b.* Tompkins Co., N. Y., Nov. 8, 1884; *s.* Oliver P. and Lora L. (Norwood) H.; reared on farm; *m.* Lina Lincoln Baird, Sept. 11, 1915; *c.* Samuel R. Jr., Adnah Baird. Student Cornell Univ., 1908-10; B.S.A., Ohio State Univ., 1917.

Heim, Raymond W., state dir. voc. educ. and prof. agrl. educ., Del. Coll., Newark, Del.

Sch. teach., 1905-10; farmer and fruit-grower, Lycoming Co., Pa., 1907-9; teach. voc. agr., Pa., 1913-5; state superv. agr., Dept. Public Instruction, Harrisburg, Pa., 1915-7; fed. agt. for agrl. educ., Fed. Bd. for Voc. Educ., N. Atlantic region, 1917-9; present position, 1919-.—*b.* Williamsport, Pa., Oct. 13, 1886; *s.* David J. and Hulda (Schaeffer) H.; reared on farm; *m.* Bess Alberta Fye, Aug. 5, 1913. B.S., Penn. State Coll., 1913; student Cornell Univ., Columbia Univ.

Heinicke, Arthur John, asst. prof. pom. and asst. pom. Exp. Sta., Cornell Univ., Ithaca, N. Y.

Instr. pom., Cornell Univ., 1914-7; asst. prof., 1917-.—*b.* St. Louis, Mo., Oct. 23, 1892; *s.* Martin T. and Magdalene (Beckert) H.; reared in city and on farm; *m.* Marguerite Riemann, 1917. B.S.A., Univ. Mo., 1913; M.A., 1914; Ph.D., Cornell Univ., 1916. Sigma Xi; Gamma Alpha.

Heline, Oscar Emanuel, farmer, Marcus, Ia.

Pres. Farmers Elevator Co., Marcus, 1917-20; pres. Cherokee Co. Farmers Inst., 1912-3; sec. Cherokee Co., Farm Bur., 1918-20; mem. exec. com., State Farm Bur. Fed., 1919-20. State del. to Nat. Farm Bur. Fed., Chicago, 1919; co. del. to State Farm Bur. Fed., 1920. Dir., First Nat. Bank, Marcus; pres. Sammies Oil and Supply Co.; vice-pres. Marcus Rendering Works.—*b.* Marcus, Ia., Jan. 21, 1890; *s.* John Mongus and Clara (Wennerstein) H.; reared on farm; *m.* Mary Mabel Magee, June 2, 1916; *c.* John Peter, Halcyon.

Helm, Charles Alton, assoc. prof. far crops, Univ. Mo., Columbia, Mo.

b. Sheldon, Mo., Feb. 4, 1889; *s.* B. and Elizabeth (Sullins) H.; rear on farm; *m.* Nellie M. McGehee, Ju 3, 1914. B.S., Univ. Mo., 1913; M.A Univ. Neb., 1916. Sigma Xi; Alpl Zeta.

Helm, Ralph Linton, farmer and breed Three Rivers, Mich.

Manag. Blue Valley Farms, Ro Okla., 1912-5; farmer, St. Joseph C Mich., 1915-8; breeder Shorthorn ca tle and Poland-China hogs, Mich., 191 co. agrl. agt., Golden Valley Co., N. I 1918-9; acting co. agt., Pocahontas C Ia., 1919.—*b.* Sibley, Ill., July 10, 188 *s.* Edgar L. and Emma (Frances) E reared in city. B.S., Ia. State Col 1912. Phi Sigma Kappa.

Helser, Maurice D., assoc. prof. an. hus and asst. chief meat invests., Ia. Sta Coll., Ames, Ia.

Teach. grade sch., Thornville, C 1909-10; State Agrl. Sch., Jonesbor Ark., 1914-5; teaching scholarship, I State Coll., 1915-6; instr., Ia. Sta Coll., 1916-7; asst. prof., 1918-9; asso prof., 1919-.—*b.* Thornville, O., Ma 29, 1890; *s.* David M. and Emma (Zartman) H.; reared on farm; *m.* Eli abeth Stevens, Aug. 20, 1914; *c.* Car lyn Jane. B.S.A., Ohio State Univ 1914; M.Sc., Ia. State Coll., 1916. A pha Zeta; Alpha Gamma Rho; P Kappa Phi.

Helyar, Frank G., dir. short-courses an prof. an. husb., Rutgers Coll., and a husb. N. J. Exp. Sta., New Brunswic N. J.

In dept. feeds and feeding, Mass. Ex Sta., 1905-6; dir. dept. agr., Mt. He mon Boys' Sch., Mass., 1906-10; di N. Y. State Sch. Agr., Morrisville, 191 7; dir. short-courses, Rutgers Coll 1917-; prof. an. husb., 1919-; assoc. i station adminis., N. J. Exp. Sta., 191 9; an. husb., 1919-; acting dir. an dean, June-Oct., 1919. Vice-pres. 6t Judicial Distr., N. Y. State Agrl. So —*b.* Boston, Mass., Feb. 6, 1883; Jas. P. and Ada M. (Gould) H.; rear on farm and in village; *m.* Irma M. Ha cher, Apr. 25, 1908; *c.* Elizabeth Ad James Edwin. B.S., Univ. Vt., 190 Alpha Zeta.

Henceroth, John William, farm manag., Polk Farming Co., Mound City, Ill.
Formerly western ed. manag. of Soil Improvement Com., Chicago, Ill.—*b.* Limestone, W. Va., Dec. 12, 1884; *s.* Jacob and Josephine (Black) H.; reared on farm; *m.* Laura Leota Gieseler, Sept. 16, 1914; *c.* Stanley Gieseler, Wm. Dayton. B.S.A., Ohio State Univ., 1914.

Henderson, Arthur P., co. agrl. agt., Glenwood, Minn.
Farmer, Ill., 1879-1900; Minn., 1900-12; agt. Bottineau Co., N. D., 1914-8; Pope Co., Minn., 1918-.—*b.* Salem, Mass., Aug. 17, 1860; *s.* John H. B. and Jeanette H. (Weaver) H.; reared in city; *m.* Maria L. Gill, Oct. 4, 1883; *c.* Nellie F., Edwin J., Mabel J., Fannie H., Emma G., Jeanette H.

Henderson, Emma G., home dem. agt., Farmington, Minn.
b. Albion, Ill., Feb. 24, 1895; *d.* A. P. and Maria (Gill) H.; reared on farm. B.S., N. D. Agr. Coll., 1919.

Henderson, John Wagner, farmer, Londonderry Farm, Germantown, Md.
Vice-pres. and dir. Montgomery Co. Farm Bur.; mem. exec. council, Md. Agrl. Soc.; pres. Montgomery Co. Power Farming Assoc. (Power farming, farm-accounting).—*b.* Germantown, Md., Oct. 16, 1887; *s.* Joseph and Lydia B. (Wagner) H.; reared on farm; *m.* Lavinia G. Dawson, Sept. 2, 1914; *c.* Joseph. Student Univ. Va. and Geo. Washington Univ.

Henderson, Walter C., asst. chief, Bur. Biol. Survey, U. S. Dept. Agr., Washington, D. C.
Admitted to Bar of U. S. Supreme Court, Nov. 1910. Asst. to solicitor, U. S. Dept. Agr., 1910-6. Special attention to laws relating to Dept. Agr.—*b.* Chelsea, Mass., July 6, 1876; *s.* Wm. C. and Margaret (Robertson) H.; reared in city; *m.* Margaret L. Orpin, Oct. 21, 1908; *c.* Fletcher Orpin. LL.B., Boston Univ. Sch. of Law, 1903. Epsilon Pi.

Henderson, William Williams, prof. and head dept. ent. and ent. Exp. Sta., Utah Agr. Coll., Logan, Utah.
Prof. zool., Brigham Young Coll., 1905-10; princ. Weber Normal Coll., Ogden, 1910-4; present position, 1914-. Mem. Utah State Crops and Pests Comn.—*b.* Clarkston, Utah, May 23, 1879; *s.* Jas. and Mary (Williams) H.; reared on farm; *m.* Survina Wheeler. June 26, 1901; *c.* Wanda, Loas, Mary, Phebe, Willa, Weber, Afton, Rebecca, Winston. B.S., Brigham Young Coll., 1903; M.A., Cornell Univ., 1905. Sigma Xi; Gamma Sigma Delta.

Hendren, Andrew Grant, co. agrl agt., Straw, N. C.
Agrl. agt. Wilkes Co., 1912-; pres. Wilkes Co. Farmers Union, 1910-.—*b.* Wilkes Co., N. C., Dec. 5, 1868; *s.* Jesse and Rebecca Emily (Parleir) H.; reared on farm; *m.* Eugenia Elizabeth Hellard; *c.* Effie, Luther, Naomie, Russel, Della, Freda, Ruby. Pearl, Bradford, Mable, Clyde.

Hendrick, Herbert Bradley, ext. agrst. boys' and girls' club work, States Relations Serv., U. S. Dept. Agr., Washington, D. C.
Ext. specialist agron., Univ. Ky., 1912-5; present position, 1915-.—*b.* Kent Co., Mich., Oct. 21, 1876; *s.* Erwin and Amy (Bowen) H.; reared on farm; *m.* Georgia T. Tomlinson, Aug., 1907; *c.* Lawrence T., Lowell E., Herbert B. Jr., Bernice Clare. B.S., Mich. Agr. Coll., 1912.

Hendricks, George B., dir. Sch. of Commerce and Business Adminis., Utah Agr. Coll., Logan, Utah.
Asst. prof. econ., Brigham Young Coll., 1905-7; prof., 1908-9; asst. prof. econ., Utah Agr. Coll., 1909-15; prof. finance and banking, 1909-15; dir. Sch. of Com., 1917-. Lieut., U. S. Army, 1918-9. (Banking and rural credits).—*b.* Lewiston, Utah, Nov. 25, 1881; *s.* Brigham A. and Mary Rebecca (Stoddard) H.; reared on farm; *m.* Caroline A. McAlister, June 5, 1912; *c.* Geo. B. Jr., Harold Gordon. A.B., Brigham Young Coll., 1903; A.M., Harvard Univ, 1908.

Hendrickson, Arthur Howard, asst. prof. pom., Univ. Calif., Berkeley, Calif.
Instr. pom., Univ. Calif., 1913-7; asst. prof., 1917-; exchange prof. pom., Cornell Univ., 1918-9. (Pollination and pruning of plums and prunes).—*b.* Grand Rapids, Mich., Feb. 2, 1890; *s.*

Chas. E. and Martha S. (Christenson) H.; reared in city and country; *m.* Hazel Parker Smith, May 20. 1917; *c.* Arthur H. Jr. B.S., Mich. Agr. Coll., 1913; M.S., Cornell Univ., 1919. Alpha Zeta.

Hendrickson, James William, asst. prof. dairy husb., Univ. Neb., Lincoln, Neb.
Supt. schs., Neb., 1908-18; present position, 1918–.—*b.* Tazewell, Va., Feb. 27, 1880; *s.* Joseph R. and Josephine (Eakin) H.; reared on farm; *m.* Ellen Gertrude Smith, Aug. 25, 1909. B.Sc., Fremont Coll., 1908; A.B., Neb. Wesleyan, 1913; A.M., Univ. Neb., 1919.

Hendrix, Mattie, home dem. agt., Swainsboro, Ga.
Teach. rural sch., Union Co., Ga., 2 yrs.; high-sch., Swainsboro, 1 yr.—*b.* Gaddistown, Ga., June 13, 1893; *d.* W. D. H.; reared on farm. Grad. State Normal, Athens, Ga.

Hendrix, Wilbur Jordan, co. agrl. agt., Greenville, O.
Asst. agron., Univ. Mo., 1910-2; ext. instr., Ohio State Univ., 1912-8. (Soils and crops).—*b.* Gratis, O., Aug. 2, 1883; *s.* E. W. and Martha (Jordan) H.; reared on farm; *m.* Grace Heller, Mar. 15, 1912 (d. 1919); *c.* John Heller, Jas. Murray. B.S.A., Ohio State Univ., 1910. Delta Theta Sigma.

Hendry, George Whiting, asst. prof. agron., Univ. Calif., Berkeley, Calif.
Present position, 1913–. (Cereals).—*b.* Indianapolis, Ind., Jan. 22, 1885; *s.* Frank Truman and Estelle (Whiting) H.; reared in city and country. B.S., Cornell Univ., 1913. Phi Kappa Psi; Alpha Zeta.

Henke, Louis A., prof. agr. and head agrl. dept., Coll. of Hawaii, Honolulu, H. I.
Dir. agr., Elbow Lake, Minn., 1912-6; present position, 1916–. Mem. agrl. com., Territorial Food Comn. of Hawaii. Chm. Live-stock Sect., Hawaii Territorial Fair.—*b.* Lowell, Wis., May 13, 1889; *s.* Wm. and Mathilde (Kamp) H.; reared on farm. B.S., Univ. Wis., 1912

Henkel, Celeste, home dem. agt., Statesville, N. C.
b. Newton, N. C., Sept. 15, 1885; *d.* L. P. H.; reared in town. A.B., Davenport Coll.; B.S., Salem Coll.

Henricksen, Henry Christian, specialist in farm manag., Agrl. Exp. Sta., San Juan, Porto Rico.
Sci. asst. in chg. subtropical garden, Miami, Fla., U. S. Dept. Agr., 1900-3; hort., Porto Rico Agrl. Exp. Sta., 1903-6; manag. agrl. office, German Kali Works, W. Indies, 1906-13; present position, 1916–. Sec. Cuban Nat. Hort. Soc., 1907-10; pres. Porto Rico Hort. Soc. Agrl. ed., Cuba Magazine, 1907-10. (Tropical agr.).—*b.* N. Bork, Denmark, Apr. 28, 1869 (naturalized 1897); *s.* Christian and Ingeborg (Nielsen) H.; reared on farm; *m.* Anna Fredericksen, 1896; *c.* Thor C., Odin F., L. Lawrence. B.Agr., Royal Agr. Coll., Copenhagen.

Henry, Bertha, home dem. agt., Carrolton, Ala.
b. San Antonio, Tex., Mar. 4, 1885; *d.* Marius Carter and Lucy (Thompson) H.; reared in town.

Henry, Clarence, asst. co. agt. leader, Purdue Univ., La Fayette, Ind.
Farm manag., Hebron, O., 1909-10; instr. high-sch., Hinckley, Minn., 1910-1; instr. agr., State Normal Sch., Valley City, N. D., 1911-4; co. agrl. agt., Allen Co., Ind., 1914-6; present position, 1916–.—*b.* Wesleyville, Pa., Mar. 10, 1885; *s.* G. S. and Sara A. (Ripley) H.; reared on farm; *m.* Nell R. Rosebraugh, Aug. 24, 1911; *c.* Robt. R. B.S., Penn. State Coll., 1909. Delta Tau Delta.

Henry, Clinton Brooks, minister, Worcester, N. Y.
Dir. Otsego Co. Improvement Assoc.; pres. Otsego Co. Sunday Sch. Assoc. (Rural community betterment).—*b.* White Haven Pa., May 26, 1864; *s.* Samuel M. and Mary C. (Brooks) H.; reared in town and on farm; *m.* Valara E. Edwards, May 29, 1895; *c.* Robt. M., Clinton E., Neal D. Ph.B., Taylor Univ., 1895; B.D., Drew Theol. Sem., 1896.

Henry, Martin Luther, invest. in marketing, Bur. Markets, U. S. Dept. Agr., Washington, D. C.
Asst. hort., Univ. Mo., 1916-7.—*b.* Little Rock, Ark., June 17, 1885; *s.*

Marion J. and Minerva (Francis) H.; reared on farm. B.S.A., Univ. Mo., 1914; M.A., 1917; B.S. Educ., 1917. Sigma Phi Epsilon; Sigma Kappa Zeta.

Henry, William Arnon, emeritus prof. agr., Univ. Wis., Madison, Wis.

Princ. New Haven, Ind., public schs., 1871-3; princ. Boulder, Colo., pub. schs., 1873-6; prof. bot. and agr., Univ. Wis., 1880-2; prof. agr., 1883-7; prof. agr. and dir. Exp. Sta., 1887; dean Coll. Agr. and dir. Exp. Sta., 1887-1907; emeritus prof. agr., 1907–. Agrl. del., Paris Expos., 1900. *Auth.:* Feeds and Feeding (18th ed., with Morrison). On editorial staff, Breeders' Gazette, Hoard's Dairyman.—*b.* Norwalk, O., June 16, 1850; *s.* Wm. and Martha Haines (Condict) H.; reared on farm; *m.* Clara Roxann Taylor, July 1881; *c.* Arnon Taylor. B.S.A., Cornell Univ., 1880; D.Agr., Univ. Ill., 1904; D.Sc., Univ. Vt., 1904, Mich. Agr. Coll., 1907.

Hensel, Frederick William Jr., assoc. prof. hort., Tex. A. & M. Coll., College Station, Tex.

Asst. prof. hort., Tex. A. & M. Coll., 1913; assoc. prof., 1914–. Farm operator, 3 yrs.—*b.* San Antonio, Tex., July 10, 1884; *s.* F. W. and Augusta (Stein) H.; reared in city; *m.* Ara Lee Jones, Sept. 1, 1915. B.S., Tex. A. & M. Coll., 1907; M.S., Cornell Univ., 1915. Alpha Zeta.

Hensel, Rudolph Louis, assoc. prof. pasture manag., Kans. State Agr. Coll., Manhattan, Kans.

For. asst., U. S. For. Serv., Wallowa, Ore., 1913-5; dir. Santa Rita Exp. Sta., Tucson, Ariz., 1916-9; present position, 1919–.—*b.* San Antonio, Tex., Oct. 27, 1890; *s.* F. and Augusta (Stein) H.; reared on farm; *m.* Florence Virginia Pace, Jan. 6, 1916; *c.* R. Frederick. B.S., Ia. State Coll., 1913.

Hensley, Glenn Shaner, co. agrl. agt., Farmington, Mo.

Teach. rural schs., 2 yrs.—*b.* Jackson, Mo., Dec. 21, 1892; *s.* S. D. and Mollie T. (Shaner) H.; reared on farm; *m.* Mamie Dale Holt, June 9, 1918; *c.* Glenn S. Jr. B.S.A., Univ. Mo., 1917. Alpha Gamma Rho.

Hensley, Harry C., co. agrl. agt., New Madrid, Mo.

Student asst. farm crops, Univ. Mo., 1915-6; instr. agr., city schs., Madison, S. D., 1916-7; present position, 1917–. Sec.-treas. Mo. Co. Agts. Assoc., 1919, vice-pres., 1920. (Agron.).—*b.* Jackson, Mo., Nov. 5, 1889; *s.* S. D. and Martha (Shaner) H.; reared on farm. B.S.A., Univ. Mo., 1916. Alpha Gamma Rho; Gamma Sigma Delta.

Hepburn, William Murray, librarian, Purdue Univ., LaFayette. Ind.

Asst. reference librarian, The John Crerar Library, Chicago, 1903-4; camp librarian, Camp Humphreys, Va., 1918; state dir., Amer. Library Assoc. for United War Work Campaign.—*b.* Pictou, N. S., July 30, 1874; *s.* Geo. and Annie McGregor (Brown) H.; reared in town; *m.* Harriett Roy, Aug. 25, 1904; *c.* Margaret Roy. B.A., Dalhousie Univ., 1895; M.A., 1898; B.L.S., N. Y. State Library Sch., Albany, 1903.

Hepler, Jesse Raymond, asst. prof. hort., N. H. Coll., Durham, N. H.

Instr. hort., Univ. Wis., 1911-7; present position, 1917–. 2d Lieut., Q. M. C., U. S. Army. (Olericulture, lands. gard.). —*b.* Pitman, Pa., Aug. 25, 1886; *s.* Jesse and Louisa (Klock) H.; reared on farm; *m.* Rebecca O. Peterson, Sept. 12, 1916; *c.* Helen Louise. B.S., Penn. State Coll., 1911; grad. student, Univ. Wis. Phi Kappa Phi.

Hepler, John Verne, co. agrl. agt., Dodge City, Kans.

Teach. agr., high-sch., Iola, Kans., 1915-7.—*b.* Manhattan, Kans., 1892; *s.* Wm. H. and Roxanna (Flick) H.; reared on farm; *m.* Nina O. Bell, Feb. 10, 1918. B.S., Kans. State Agr. Coll., 1915. Pi Kappa Alpha; Gamma Sigma Delta.

Herbert, Frank Barnes, sci. asst., Bur. Ent., U. S. Dept. Agr., For. Insect Lab., Los Gatos, Calif.

Ent. ranger, U. S. Dept. Agr., 1914-6; sci. asst., 1916–. (Insect pests western shade trees).—*b.* San Jose, Calif., Jan. 29, 1890; *s.* John B. and Ellen (Olmsted) H.; reared on farm; *m.* Georgia Bennett, 1916; *c.* Paul Bennett. B.S., Univ. Calif., 1914; M.A., Leland Stanford Univ., 1919.

Herms, William Brodbeck, assoc. prof. parasitology, Coll. Agr., Univ. Calif., Berkeley, Calif.

Princ. Sch. of Commerce, Baldwin Wallace Coll., 1902-5; teach. fellow in zool., Ohio State Univ., 1905-6; acting head dept. zool., Ohio Wesleyan Univ., 1906-7; Edward Austin fellow in zool., Harvard Univ., 1907-8; instr. expl. zool., Ohio State Univ., summers 1908-9; asst. prof. ent., Univ. Calif., 1908-12; asst. prof. applied parasitology, 1912-3; asst. prof. parasitology, 1913-5; assoc. prof., 1915–. Fellow A. A. A. S. Mem. Nat. Malaria Comn.; in chg. malaria mosquito survey of Calif.; consulting parasitologist, Calif. State Bd. Health. Del. from Calif. to Intern. Hygiene Exhibit, Dresden, Germany. Major, Sanitary Corps, U. S. Army, 1918-9. *Auth.:* Laboratory Guide to the study of Parasitology, 1913; Malaria,—Cause and Control, 1913; Text-book in Medical and Veterinary Entomology, 1915. Editorial bd., Journal of Parasitology.—*b.* Portsmouth, O., Sept. 22, 1876; *s.* Herman and Rosa Emma (Brodbeck) H.; reared on farm and in town; *m.* Lillie C. Magly, June 14, 1902; *c.* Wm. Magly, Herbert Parker, Geo. Walter. B.S., Baldwin Wallace Coll., 1902; M.A., Ohio State Univ., 1906. Sigma Xi; Alpha Zeta; Alpha Kappa Lambda.

Herrick, Glenn Washington, prof. econ. ent. and ent. Exp. Sta., Cornell Univ., Ithaca, N. Y.

Prof. biol., Miss. A. & M. Coll., 1897-1908; prof. ent., Tex. A. & M. Coll., 1908-9; present position, 1909–. Fellow Ent. Soc. Amer.; pres. Amer. Assoc. Econ. Ent., 1915. *Auth.:* Text-Book in General Zoology, 1907; Laboratory Exercises in General Zoology, 1907; Insects Injurious to the Household, 1914; Insects of Economic Importance, 1915. (Diaspinae, family Coccidae).—*b.* Otto, N. Y., Jan. 5, 1870; *s.* Stephen M. and Marium (Botsford) H.; reared on farm; *m.* Nannie Young Burke, Aug. 17, 1898; *c.* Marvin T., Stephen M., Anna B. B.S.A., Cornell Univ., 1896; grad. work Harvard Univ. Sigma Xi; Alpha Gamma Rho.

Herrick, Robert S., ext. prof. pom., Ia. State Coll., Ames, Ia.

Field hort., Colo. Agr. Coll., 1909-12; present position, 1912–.—*b.* Littleton, Colo., Jan. 22, 1882; *s.* Robt. D. and Nancy (Hart) H.; reared on farm; *m.* Laura Pease, Dec. 18, 1913. B.S., Colo. Agr. Coll., 1908. Gamma Sigma Delta.

Herring, James Pritchard, co. agrl. agt., Wilmington, N. C.

Teach. public schs., 14 yrs. Pres. Wilmington Teach. Assoc., 3 yrs.; pres. Fed. Farm Loan Assoc.—*b.* Burgard, N. C., July 11, 1865; *s.* Geo. A and Margaret E. (Wells) H.; reared on farm; *m.* Eva May Hewlett, Dec. 25 1894; *c.* Lena May, Alice Rea, Margaret, Jas. P. Jr., Myrtie, Glenn A Student Wake Forest Coll., 1½ yrs.

Herrington, Garvin Leon, boys' club agt. Univ. Fla., Gainesville, Fla.

Co. agrl. agt., Trenton, Tenn., 1913 agrl. superv., Shelby Co. schs., Memphis, 1914.—*b.* Philadelphia, Miss. Nov. 17, 1887; *s.* Nichols Edmund and Mary Elizabeth (Lewis) H.; reared on farm; *m.* Margaret Adams, Oct. 8, 1917 B.S., Miss. A. & M. Coll., 1912.

Herron, Leonard Graves, co. agrl. agt. Idabel, Okla.

Asst. hort., Okla. A. & M. Coll., 1913-6; specialist in hort., Miss. A. & M. Coll. 1916-8; agt. McCurtain Co., Okla. 1918–. Farm operator, 1914–.—*b.* St Joseph, Mo., May 4, 1891; *s.* Joseph Crocker and Lydia (Graves) H.; reared on farm; *m.* May Herndon, June 7 1915; *c.* Leonard G. Jr., Joseph Quintus. B.S., Okla. A. & M. Coll., 1913.

Herron, Leonard Smith, ed. Nebraska Union Farmer, Omaha, Neb.

With the Nebraska Farmer, Lincoln 1908-17; present position, 1917–. (Agrl journalism).—*b.* Morning Sun, Ia., Jan 13, 1884; *s.* John Robt. and Eliza Campbell (Johnston) H.; reared on farm; *m* Mabel Anna Beatty, Apr. 28, 1909; *c* Ruth Marie. B.S.A., Ia. State Coll. 1908. Delta Sigma Rho; Delta Theta Sigma.

Hershey, Hiram Frey, co. agrl. agt., Gettysburg, Pa.

Asst. expl. pom., Penn. State Coll. 1910-2; teach. winter-course, 1912-3 manag. Estherton Fruit Farm, Harrisburg, 1912-7; agt. Adams Co., Pa. 1917–. Sec. Hort. Soc. of Penn., 1917-8 —*b.* E. Petersburg, Pa., Oct. 28, 1888

s. Hiram S. and Annie (Frey) H.; reared on farm; *m.* Adele Hostetter, Apr. 28, 1913; *c.* Mary Rebecca. B.S., Penn. State Coll., 1910. Alpha Zeta; Phi Kappa Phi.

Hersman, Frank, co. agrl. agt., Gibson City, Ill.

Teach. high-sch., Yreka, Calif., 1912-3; Preston Sch. Republic, Ione, Calif., 1913-4; Gardena Agrl. High-Sch., Calif., 1914-6.—*b.* Hersman, Ill., May 29, 1885; *s.* Geo. J. and Alice (McGaw) H.; reared on farm; *m.* Florence J. Curry, Sept. 20, 1917. B.S.A., Univ. Ill., 1909. Sigma Xi; Alpha Zeta.

Hesler, Lex R., prof. bot. and plant path. Exp. Sta., Univ. Tenn., Knoxville, Tenn.

Asst. bot., Wabash Coll., 1909-10; fellow plant path., Cornell Univ., 1910-2; instr., 1912-4; asst. prof., 1914-9; present position, 1919–. *Co-auth.:* Laboratory Outlines in Plant Pathology, 1916; auth. Manual of Fruit Diseases, 1917.—*b.* Veedersburg, Ind., Feb. 20, 1888; *s.* Clinton F. and Laura Iris (Youngblood) H.; reared on farm; *m.* Esther Lillian Collins, July 2, 1914. A.B., Wabash Coll., 1911; Ph.D., Cornell Univ., 1914. Sigma Xi; Kappa Sigma; Gamma Alpha.

Hess, Derl, co. superv. voc. agr., Sunbury, Pa.

Instr. agr., State Normal Sch., Millersville, Pa., 1914-5; superv. agr., Waterford Voc. Sch., 1915-9; superv. agr., high-sch., North East, 1919-20; present position, 1920–. Distr. dir. U. S. Boys' Working Reserve, 1918. (Rural educ.).—*b.* Benton, Pa., May 17, 1884; *s.* Clarence Wellington and Mary Jane (Kile) H.; reared on farm; *m.* Alice M. Converse, Jan. 29, 1915; *c.* Jane Converse, Derl Jr. B.S., Penn State Coll., 1914. Alpha Zeta; Phi Kappa Phi.

Hess, Gladys Marion, home dem. agt., Court House, Utica, N. Y.

Food conservation agt., Oneida Co., N. Y., 1917-8; present position, 1918–. —*b.* Circleville, O., Dec. 2, 1892; *d.* Elmer E. and Carrie E. (Brown) H.; reared in town. B.S., Cornell Univ., 1917.

Hester, Clifton Eugene, agrst. and farmer, Gueydan, La.

Instr. agr., Southwestern La. Ind. Inst., 1913-4; an. path., La. Live Stock Sanitary Bd., 1914-5; asst. dir., N. La. Exp. Sta., Calhoun, 1916-8; rice farmer, Gueydan, 1918–.—*b.* Downsville, La., Jan. 30, 1891; *s.* Ord. J. and J. (Lee) H.; reared on farm; *m.* Marie M. Gueydan, Aug. 15, 1916; *c.* Mercedes Gueydan. B.S., La. State Univ., 1913. Lambda Chi Alpha.

Hetzel, Ralph Dorn, pres. N. H. Coll., Durham, N. H.

Instr. public speaking, Ore. Agr. Coll., 1908-9; asst. prof., 1910-1; prof., 1911-3; dir. ext., 1913-7; present position, 1917–. Chm. Ext. Sect., Amer. Assoc. Agrl. Colls. and Exp. Stas., 1915.—*b.* Merrill, Wis., Dec. 31, 1882; *s.* Henry C. and Sadie (Dorn) H.; reared in town; *m.* Estelle H. Heineman, Aug. 5, 1911; *c.* Ralph Jr., Helene, Roger, Harriet. A.B., Univ. Wis., 1906; LL.B., 1908; LL.D., Dartmouth Coll., 1918. Delta Upsilon.

Heuser, Gustave Frederick, asst. prof. poultry husb., Cornell Univ., Ithaca, N. Y.

Instr. poultry husb., Cornell Univ., 1916-8; asst. prof., 1918–.—*b.* Buffalo, N. Y., July 6, 1893; *s.* Gustave and Louise (Tenjost) H.; reared in city; *m.* Mabel Catherine Bohall, Apr. 3, 1918; *c.* Gustave F. Jr. B.S., Cornell Univ., 1915; M.S.A., 1916; Ph.D., 1918. Sigma Xi.

Hewitt, Arthur Wentworth, clergyman, Plainfield, Vt.

Mem. Vt. House of Rep., 1912-7; mem. Vt. State Bd. Educ., 1915–. Rep. Vt. at Nat. Soc. for Promotion of Ind. Educ., Indianapolis, 1917; Nat. Conference on Rural Educ., Washington, 1918. Lect. on rural church at summer schs. *Auth.:* Harp of the North, 1916. —*b.* W. Berlin, Vt., June 22, 1883; *s.* Arthur Lee and Florence Elnora (Eddy) H.; reared on farm; *m.* Nina Aletha Battles, Sept. 18, 1907. Grad. Montpelier Sem., 1904.

Heyle, Essie Margaret, asst. prof. in chg. home econ. ext., Univ. Mo., Columbia, Mo.

Teach. home econ., public schs., Kansas City, Mo., 1907-10; dir. home econ., Ill. Women's Coll., 1910-1; superv. home econ., public schs., Kansas City, Mo., 1911-7; present position, 1917–; instr. Washington Univ., summers 1915-6.—*b.* Ill., Jan. 16, 1886; *d.* Franklin Pierce and Adda (Collyer) H.; reared in city. Ph.B., Univ. Chicago, 1910.

Heyman, Arnold Cyrus, co. agrl. agt., Deming, N. Mex.

Princ. Rio Grande Ind. Sch., Albuquerque, N. Mex., 1908-18.—*b.* Monroeville, O., Aug. 25, 1877; *s.* Wm. F. and Verena (Ballmer) H.; reared on farm; *m.* Henriette L. Ludwig, Sept. 27, 1908; *c.* Inez Marie, Ludwig Henry. A.B., Heidelberg Univ., 1904; B.D., Chicago Theol. Sem., 1908.

Hibbard, Benjamin Horace, prof. agrl. econ., Univ. Wis., Madison, Wis.

Prof. econ., Ia. State Coll., 1902-12; expert special agt. on agr., U. S. Census, 1911; present position, 1912–. *Auth.:* History of Agriculture in Dane County, Wisconsin; Effect of the Great War Upon Agriculture. (Land tenancy, marketing).—*b.* Bremer Co., Ia., Jan. 9, 1870; *s.* Alfred A. and Elizabeth (Bazeley) H.; reared on farm; *m.* D. Jeannette Baker, 1902; *c.* Virginia. B.S., Ia. State Coll., 1898; Ph.D., Univ. Wis., 1902. Gamma Sigma Delta; Phi Kappa Phi.

Hibbard, Paul Llewellyn, asst. prof. agrl. chem., Univ. Calif., Berkeley, Calif.

b. Port Huron, Mich., July 20, 1866; *s.* Chas. and Mary J. (Bryan) H.; reared on farm; *m.* Minnie Roselious, 1897; *c.* Violet. B.S., Univ. Neb., 1892.

Hibbs, Edwin Gerome, co. agrl. agt., New Cumberland, W. Va.

Instr. agr., State high-sch., Alberta Lea, Minn., 1914-5; dir. agr., 1915-7; formerly agt. Columbian Co., O.—*b.* Tuscarawas, O., Aug. 29, 1888; *s.* Wm. and Martha (Henderson) H.; reared on farm; *m.* Irma Stella Thompson; *c.* J. Wm. B.S., Mt. Union Coll., 1911; B.S.A., Ohio State Univ., 1914.

Hickman, Cuthbert Wright, prof. an. husb., Univ. Ida., Moscow, Ida.

Asst. an. husb., Penn. State Coll., 1913-4; instr., 1914; asst. prof., Univ. Ida., 1914-7; assoc. prof., 1917-8; prof., 1918–.—*b.* Slater, Mo., Jan. 22, 1888; *s.* C. H. and M. L. (Wright) H.; reared on farm; *m.* Teresa Keane, June 4, 1919. B.S.A., Univ. Mo., 1913. Gamma Sigma Delta.

Hickman, Richard W., chief Quarantine Div., Bur. An. Ind., U. S. Dept. Agr., Washington, D. C.

Prof. cattle path., embryology, and obstetrics, Univ. N. Y., 1895-1900.—*b.* Cape May, N. J., 1852; *s.* John W. and Therza (Thorpe) H.; reared in town; *m.* Anna Louise Hoff, 1872; *c.* Florence Louise, Samuel Chester, Geo. J., Richard W., Elsie Margaret. Ph.G., Philadelphia Coll. Pharmacy, 1871; V.M.D., Univ. Penn., 1887.

Hicks, John Henry, stockman, Cuervo, N. Mex.

Manag. and sr. partner cattle firm Hicks and Duncan, Strawberry Valley, Ariz.; manag. and jr. partner cattle firm Brigham and Hicks, Tempe, Ariz., Colfax and Guadaloupe Cos., N. Mex.; sr. partner and manag. cattle firm Hicks and Jones, N. Mex., 1904–; manag. T. O. ranch, Mex., 1905-7. Mem. Cattle Sanitary Bd., N. Mex., 1912-7, 1919–; pres. 1st Nat. Bank, Santa Rosa, N. Mex., 1903-13.—*b.* Three Oaks, Mich., Apr. 9, 1856; *s.* Jonas L. and Araminta D. (York) H.; reared on farm; *m.* Katharine Adams, Jan. 1, 1906; *c.* Alice Long, Edna B., John Long. Student Kans. State Agr. Coll., 1 yr.

Higgins, Allen Leet, co. agrl. agt., Sullivan, Ill.

With U. S. Bur. Soils, 1908-12; Ohio Exp. Sta., 1912-4; agt. Des Moines Co., Ia., 1914-6; Sullivan, Ill., 1918–.—*b.* Elmwood, Ill., Apr. 29, 1885; *s.* B. P. and Mary Eliza (Leet) H.; reared on farm; *m.* Lulu Katherine Stephens, Apr. 24, 1914; B.S., Univ. Ill., 1907.

Higgins, James Edgar, prof. in chg. dept. agron. and hort., Coll. Agr., Univ. Philippines, Los Banos, Philippine Isls.

Superv. agr., Honolulu schs., 1898-1903; hort., Hawaii Exp. Sta., 1903-13, 1914-20; prof. hort., Univ. Porto Rico, 1913-4; present position, 1920–. (Trop. pom.).—*b.* Wolfville, N. S., June 14,

1873 (naturalized 1896); *s.* D. F. and Amelia (DeWolf) H.; reared on farm; *m.* Nellie T. Chipman, July 31, 1898; *c.* Ronald De Wolf. B.A., Acadia Univ., 1895; M.S.A., Cornell Univ., 1898.

Higgins, Lyda Alexander, dairy husb., U. S. Dept. Agr., Starkville, Miss.

Dairy ext., N. C. Dept. Agr., 1910-2; with U. S. Dairy Div., 1912–.—*b.* Higgins, N. C., Dec. 17, 1884; *s.* Thos. G. and Elizabeth (Sronce) H.; reared on farm; *m.* Maude Augustus Magee, May 11, 1913. B.S.A., N. C. A. & M. Coll., 1910.

Higley, Louis Allen, prof. and head dept. chem. and chem. Exp. Sta., N. Mex. A.& M. Coll., State College, N. Mex.

Chief tech. chem., The Kennicott Co., Chicago, Ill., 1908-9; The Centralia Mining Co., Guadalahara, Mex., 1909-11; prof. chem., Westminster Coll., Fulton, Mo., 1911-5; present position, 1915–. State chem. for N. Mex.—*b.* Wilmot, O., Sept. 28, 1871; *s.* Lucian and Julia (Marchand) H.; reared on farm; *m.* Carrie L. Bradley, 1903; *c.* John Allen, Florence Louise, Carrie Evelyn, Joseph Leonard. A.B., Ohio Northern Univ., 1896; Ph.D., Univ. Chicago, 1907.

Hildwein, Herbert Lynn, co. agrl. agt., Kingman, Kans.

b. Hiawatha, Kans., Dec. 20, 1891; *s.* Chas. A. and Emma (Snyder) H.; reared on farm; *m.* Daisy Hensley, Feb. 2, 1918. B.S., Kans. State Agr. Coll., 1914.

Hill, Charles L., farmer and breeder Guernsey cattle, Rosendale, Wis.

Pres. Amer. Guernsey Cattle Club, 1912-4; sec. Western Guernsey Breeders Assoc., 1911-8; pres. Wis. State Bd. Agr.; mem. State Bd. Educ. Visited Isl. of Guernsey 7 times. *Auth.:* The Guernsey Breed, 1917.—*b.* Rosendale, Wis., Sept. 5, 1869; *s.* Geo. C. and Georgianna (Brainard) H.; reared on farm; *m.* Mina V. O'Neil, Nov. 11, 1891; *c.* Anna Louise, Geo. O'Neil, Margaret Muriel, Jessie May, John Dudley, Miriam Althea. Student Univ. Wis., short-course, 1887.

Hill, Edward S., farmer, Freeville, N. Y.

Pres. Co. Agrl. Assoc. and Co. Sheep Growers Assoc.; sec. Cheshire Swine Breeders Assoc.—*b.* Freeville, N. Y., May 27, 1860; *s.* A. B. and Sarah E. (Hart) H.; reared on farm; *m.* Mary L. Fox, Oct. 12, 1887; *c.* John H., Lawrence B., Donald F.

Hill, George Richard Jr., prof. bot. and dir. Sch. Agr., Utah Agr. Coll., Logan, Utah.

Asst. plant physiologist, Cornell Univ., 1910-1; instr., 1911-2; research asst., Mo. Bot. Gard., 1912-3; prof. bot., Utah Agr. Coll., 1913–; dir. Sch. Agr., 1916–.—*b.* Ogden, Utah, Apr. 10, 1884; *s.* Geo. Richard and Elizabeth Nancy (Burch) H.; reared on farm; *m.* Lizzie Odette McKay, Apr. 10, 1914. B.S., Brigham Young Univ., 1907; B.S.A., Utah Agr. Coll., 1908; Ph.D., Cornell Univ., 1912. Sigma Xi; Gamma Alpha.

Hill, Isaac William, asst. in chg. boys' club work, Off. Ext. South, States Relations Serv., U. S. Dept. Agr., Washington, D. C.

Princ. high-sch., 1884-93; prof. English and Latin, Spring Lake Coll., 1893-6; pres., 1895-6; supt. city schs., 1896-1903. State supt. educ. for Ala., 1903-7; mem. State Text-book Comn. for Ala., 1903. *Auth.:* (with McBain) How We are Governed in Alabama and the Nation in 1910.—*b.* Auburn, Ala., July 25, 1861; *s.* Isaac and Harriet E. (Holt) H.; reared on farm; *m.* Laura T. Jones, June 18, 1890; *c.* Julia, Geraldine, Isaac Wm. Jr. A.B., Emory Coll., Oxford, Ga., 1880; A.M., 1883; LL.D., Univ. Ala., 1906. Phi Delta Theta.

Hill, William, lect. on agrl. econ., Bethany, W. Va.

From tutor to assoc. prof., Univ. Chicago, 1893-1912; dir. Agrl. Guild; organizing dir., Agrl. Dept., Bethany Coll., W. Va. Organized agrl. dept., Friends Bloomingdale Acad. Dir. Sand Hill Farm Life Sch., 1916-7. Dir. of organization of Fed. Food Adminis. for W. Va., 1917–. Farmer, breeder of Holstein and Guernsey cattle. Agrl. trips through Europe.—*b.* Bloomingdale Ind., May 31, 1865; *s.* Nathan Vestal and Eliza (Canada) H.; reared on farm. A.B., Kans. State Univ., 1890; A.B., Harvard Univ., 1891; A.M., 1892. Phi Beta Kappa.

Hill, William Free, farmer, Huntingdon, Pa.

Lect. Pa. State Grange, 1894-8; gen. agt., Pa. Dept. Agr.; Master Pa. State Grange, 1898-1908. Del. from U. S. Govt. to Intern. Inst. of Agr., Rome, Italy, 1905, 1908. Ed. and establisher, Penn'a Grange News, 1904-8.—*b.* Crawford Co., Pa., Mar. 4, 1867; *s.* Theodore Wallace and Rebecca (Free) H.; reared on farm; *m.* Millie Collins; 2d, Marie A. Hill; *c.* Lina Blanche, Ned Wallace, Donald M., Gerald Bruce.

Hills, Frank Burrows, asst. sec., Amer. Guernsey Cattle Club, Peterboro, N. H.

Asst. prof. an. husb., Del. Coll., 1913-6; chg. publicity, Amer. Guernsey Cattle Club, 1916-9; asst. sec., 1919–. Capt. U. S. Army, 1917-9; Major Infantry Reserve Corps, 1919–.—*b.* Bernardstown, Mass., Feb. 24, 1891; *s.* Chas. Russell and Mary L. (Wilder) H.; reared on farm. B.S., Mass. Agr. Coll., 1912; M.S., Ia. State Coll., 1913.

Hills, Joseph Lawrence, dean Coll. Agr. and dir. Exp. Sta., Univ. Vt., Burlington, Vt.

Asst. chem., Mass. Exp. Sta., 1882-3; asst. chem., N. J. Exp. Sta., 1884-5; chem. Phosphate Mining Co., Beaufort, S. C., 1885-8; chem., Vt. Exp. Sta., 1888-98; dir., 1893–; prof. agrl. chem., Univ. Vt., 1893-1906; prof. agron., 1906–; dean Coll. Agr., 1898–. Sec.-treas. Assoc. Land-Grant Colls. and ed. proceedings. Fellow A. A. A. S.—*b.* Boston, Mass., Mar. 2, 1861; *s.* Thos. and Amelia Ellen (Drew) H.; reared in city; *m.* Kate Conover, Sept. 11, 1888; *c.* Thos. Lawrence, Bertha. B.S., Mass. Agr. Coll., 1881; Boston Univ., 1881; D.Sc., Rutgers Coll., 1904. Kappa Sigma; Alpha Zeta; Phi Kappa Phi.

Hills, Thomas Lawrence, research bact., Ida. Exp. Sta., Moscow, Ida.

Asst. bact., Penn. Exp. Sta., 1914-5; present position, 1915–. 1st Lieut., Sanitary Corps, U. S. Army, 1918-9.—*b.* Burlington, Vt., Aug. 13, 1890; *s.* Joseph Lawrence and Kate (Conover) H.; reared in city; *m.* Helen E. Rutter, Sept. 11, 1917. Ph.B., Univ. Vt., 1913; M.S., Univ. Wis., 1914; Ph.D., 1916. Sigma Xi; Kappa Sigma; Phi Eta.

Hindes, Howard Melville, with Solvay Process Co., Detroit, Mich.

Instr. agr. and sci., high-sch., Boyne City, Mich., 1916-8; co. agrl. agt., Atlanta, Mich., 1918-20. Served as sergeant in machine gun battalion, U. S. Army.—*b.* Fremont, Mich., Feb. 17, 1894; *s.* John and Minnie (Olney) H.; reared on farm. Grad. Mt. Pleasant Normal Sch., 1916. Phi Delta Pi.

Hinds, Warren Elmer, prof. ent., state ent. and ent. Exp. Sta., Ala. Poly. Inst., Auburn, Ala.

Fellow A. A. A. S. First vice-pres. Amer. Assoc. Econ. Ent., 1917; pres. Assoc. Cotton States Ent., 1908–; mem. Centro de Scienceas, Letras e Artes, Brazil. Mem. adv. com., Journal Economic Entomology. (Boll and corn weevil control).—*b.* Townsend, Mass., Sept. 20, 1876; *s.* Warren David and Mary Persis (Colby) H.; reared on farm; *m.* Edith G. Gray, Mar. 4, 1903. B.S., Mass. Agr. Coll., 1899; Ph.D., 1902. Alpha Sigma Phi; Phi Kappa Phi.

Hine, George Sherwood, state dairy comnr., Manhattan, Kans.

Superv. dairy tests, feed and fertilizer insp., Univ. Wis., 1907-9; princ. Marinette Co. Sch. Agr., 1909-10; dairy ext., Kans. State Agr. Coll., 1910-2; state dairy comnr., 1912–.—*b.* Fairchild, Wis., Jan. 25, 1885; *s.* Rivilla C. and Kittie E. (Foster) H.; reared on farm; *m.* Edith Dahlberg, Aug. 19, 1911; *c.* Geo. C. B.S.A., Univ. Wis., 1907. Alpha Zeta.

Hines, Frank Richardson, co. agrl. agt., Rutledge, Tenn.

b. Harrisburg, Tenn., Mar. 28, 1887; *s.* Stephen Emory and Alberta Kate (Umberger) H.; reared on farm; *m.* Mayme H. Ayre, June 3, 1917; *c.* Frances Evelyn. B.S.A., Univ. Tenn., 1914.

Hinote, Jane, home dem. agt., Jackson, Mo.

Teach. home econ., high-sch., Campbell, Mo., 1915-7; distr. home dem. agt., 1917-8; present position, 1918–; asst. teach. home econ., Teachers Coll., Maryville, Mo., summers, 1915, 1917.—*b.* Gentry Co., Mo., Sept. 3, 1884; *d.* J. W. and Jeanie Kyle (Gladstone) H.;

reared on farm. Grad. State Teach. Coll., Maryville, Mo., 1917; student Columbia Univ., summer 1914.

Hislop, William, breeder and dealer in range sheep, Spokane, Wash.
Instr. an. husb., Ohio State Univ., 1912-4; head dept. an. husb., Wash. State Coll., 1914-8.—*b.* Ratho, Scotland, June 11, 1889; *s.* Thos. and Georgina (Annand) H.; *m.* Elizabeth Coit Kelton, Aug. 18, 1915; *c.* Geo. Kelton. B.S., Edinburgh Univ., 1911; M.S., Kans. State Agr. Coll., 1912. Beta Theta Pi.

Hitchcock, Ernest Bernard, soil specialist ext., Univ. Ida., State House, Boise, Ida.
Instr. soils and asst. research, Univ. Ida., 1916-7; assoc. soils and soil specialist, 1918–.—*b.* Springfield, S. D., Aug. 18, 1890; *s.* A. E. and Blanche (Niles) H.; reared on farm; *m.* Christina Jane Park. B.S.A., Univ. Wyo., 1915; M.S.A., Ia. State Coll., 1916. Alpha Tau Omega; Alpha Zeta.

Hitchmer, Elmer Reeve, research chem., Dupont Dye Works, Woodstown, N. J.
Instr. bact., Penn. State Coll., 1916-7; instr. bact. and chem., N. Y. State Sch. Agr., Canton, 1917-8; present position, 1918–. (Soil and dairy bact.).—*b.* Woodstown, N. J., Mar. 24, 1891; *s.* Wilbert B. and Hannah (Reeve) H.; reared in town. B.S., Penn. State Coll., 1915; M.S., 1916. Alpha Chi Sigma.

Hite, Bert Holmes, prof. agrl. chem. and chem. Exp. Sta., W. Va. Univ., Morgantown, W. Va.
Prof. organic chem., W. Va. Univ., 1896-8; vice-dir. W. Va. Exp. Sta., 1902–; chem., W. Va. Geol. Survey, 1898–; chem., W. Va. Dept. Agr., 1917–; consulting chem., U. S. Ordnance Dept., 1918–.—*b.* Morgantown, W. Va., Aug. 18, 1866; *s.* Isaac and Catherine (Hennen) H.; reared on farm; *m.* Evelyn Pratt, Nov. 2, 1898. M.S., W. Va. Univ., 1890; student Johns Hopkins Univ., 1891-5.

Hoagland, Dennis Robert, assoc. prof. agrl. chem., Univ. Calif., Berkeley, Calif.
Instr., Univ. Calif., 1907-9; consulting expert, U. S. Dept. Agr., 1909-12; asst. prof., Univ. Calif., 1913-9; assoc. prof., 1919–. (Plant nutr., soil chem.).—*b.* Colo., Apr. 2, 1884; *s.* Chas. B. and Lillian (Burch) H.; reared in city; *m.* Jessie A. Smiley, May 1, 1920. A.B., Leland Stanford Univ., 1907; M.A., Univ. Wis., 1913. Phi Beta Kappa; Sigma Xi.

Hoard, William Dempster, dairy farmer and ed. Hoard's Dairyman, Ft. Atkinson, Wis.; 1836-Nov. 22, 1918. See Rus 1918.

Hobson, Asher, asst. chief Off. Farm Manag., U. S. Dept. Agr., Washington, D. C.
Research asst. marketing, Univ. Wis., 1913-6; field agt. in marketing, Bur. Markets, U. S. Dept. Agr., 1914-9; present position, 1919–. (Agrl. econ.).—*b.* Quenemo, Kans., Nov. 26, 1889: *s.* Felix and Ida May (Harr) H.; reared on farm and in village; *m.* Thea Dahle, June 26, 1917. B.A., Univ. Kans., 1913; M.A., Univ. Wis., 1915. Delta Sigma Rho.

Hochbaum, Hans Weller, co. agt. leader, Univ. Ida., Boise, Ida.
Teach. agr., State Teachers Coll., Greeley, Colo., 1906-12; State Normal Sch., Los Angeles, 1912-3; co. agrl. agt. Ada Co., Ida., 1913-4; co. agt. leader, Ida., 1914–.—*b.* Chicago, Ill., July 20, 1881; *s.* John E. and Matilda (Weller) H.; reared on farm; *m.* Gertrude Stone Schenck, Mar. 15, 1910; *c.* Hans Albert, Mary Elizabeth. B.S.A., Cornell Univ., 1905. Alpha Zeta.

Hodder, Earl Henry, teach. agr., high-sch., Malone, N. Y.
b. Johnston, N. Y., Mar. 21, 1892; *s.* Fred and Rose (Ostler) H.; reared on farm; *m.* Cecelia Peterson, June 26, 1918. B.S., Cornell Univ., 1916.

Hodgson, Albert Lee, co. agrl. agt., Delphi, Ind.
b. Mt. Vernon, S. D., May 28, 1890; *s.* R. M. and Mary E. (Knight) H.; reared on farm; *m.* Iris E. Robinson, Dec. 25, 1917. B.S., Univ. Wis., 1917.

Hodgson, Emory R., supt. Staunton Exp. Farm, Staunton, Va.
Asst. agron., Va. Poly. Inst., 1910-1; supt. Staunton Exp. Farm, 1911-3; assoc. agron., Va. Poly. Inst., 1913-7;

agron. ext. div., 1918-9; present position, 1920–. Sec.-treas. Va. Corn Growers Assoc., 1913-20.—*b.* Washington, D. C., Mar. 5, 1886; *s.* Thos. A. and Mary Elisa H.; reared in town; *m.* Saidee Hollar, Dec. 14, 1912; *c.* Emory R., Saidee. B.S., Va. Poly. Inst., 1910; M.S., 1912.

Hodgson, Robert E., supt. S. E. Dem. Farm and Exp. Sta., University Farm, Waseca, Minn.

Instr. farm crops, Univ. Minn., 1915-8; co. agrl. agt., Marshall, Minn. (Agron., farm manag.).—*b.* Luverne, Minn., Oct. 26, 1893; *s.* Lewis C. and Leila (Ebersol) H.; reared on farm; *m.* Helen F. Angier, Apr. 16, 1918. B.S., Univ. Minn., 1916. Alpha Zeta.

Hodgson, Robert Willard, co. agrl. agt., Court House, Los Angeles, Calif.

Asst. bot., Univ. Calif., 1915-7; instr. citriculture, 1917–; asst. farm adv., Los Angeles Co., 1918-9; farm adv., 1919–.—*b.* Dallas, Tex., Apr. 3, 1893; *s.* Mark and Olivia (Rice) H.; reared on farm; *m.* Margaret L. Williams, Aug. 25, 1914; *c.* Robt. W. Jr., Richard Warren. B.S., Univ. Calif., 1916; M.S., 1917. Phi Beta Kappa; Sigma Xi; Alpha Zeta; Phi Delta Kappa.

Hodson, Edgar Allan, asst. agron., Ark. Exp. Sta., Fayetteville, Ark.

Instr. agron., N. C. State Coll., 1912-6; asst. in food supply invests., U. S. Bur. Markets, 1917-9; present position, 1919–. In Air Serv., U. S. Army, 1918-9.—*b.* Athens, Ala., Dec. 5, 1889; *s.* Lindsay and Mary Frances (Arps) H.; reared on farm. B.S., Ala. Poly. Inst., 1911; M.S., N. C. State Coll., 1914. Lambda Chi Alpha.

Hoffer, George Nissley, path. in corn root and stalk rot invests., U. S. Dept. Agr., and assoc. bot., Purdue Univ. Exp. Sta., W. LaFayette, Ind.

Assoc. prof., Purdue Univ., 1915-7. —*b.* Hummelstown, Pa., Nov. 20, 1887; *s.* Geo. P. and Clara (Nissley) H.; reared in town; *m.* G. Margaret Arnot, 1912; *c.* Wilbert Geo., Robt. Arnot. A.B., Lebanon Valley Coll., 1909; M.S., Purdue Univ., 1911; Sc.D., Lebanon Valley Coll., 1920. Sigma Xi.

Hoffman, Milton Henry, ext. prof. agrl. engin., Ia. State Coll., Ames, Ia.

Ext. assoc. prof. agrl. engin., Ia. State Coll., 1914-6; prof., 1916–.—*b.* Harper, Ia., May 30, 1882; *s.* John Henry and Mary L. (Knapheide) H.; reared in town; *m.* Alta E. Mathews, 1907; *c.* Hubert Mathews, Virginia Mary, Milton H. Jr. M.Di., Ia. State Teach. Coll., 1906; B.S., Ia. State Coll., 1914. Gamma Sigma Delta.

Hoffman, Verne W., co. agrl. agt., Sacramento, Calif.

Asst. pom., Univ. Calif., 1917; with U. S. Bur. Markets, Jan.-July, 1919; present position, 1919–. 2d Lieut. Air Serv., U. S. Army, 1917-9.—*b.* Fontanet, Ind., Feb. 23, 1895; *s.* Frank M. and Ada Rachel (Webster) H.; reared on farm; *m.* Ethel Vera Jack, Apr. 5, 1919. B.S., Univ. Calif., 1917. Alpha Zeta.

Hogan, Albert Garland, prof. an. nutr., Univ. Mo., Columbia, Mo.

Asst. physiological chem., Yale Univ., 1913-4; asst. an. nutr., Kans. State Agr. Coll., 1914-7; asst. prof., 1917-9; prof. physiol. chem., Med. Sch., Univ. Ala., 1919-20; present postion, 1920–. Lieut. Sanitary Corps, U. S. Army, 1917-8; Capt., 1919.—*b.* Maryville. Mo., Dec. 31, 1884; *s.* Wm. Carroll and Belle (Ford) H.; reared on farm. B.S., Univ. Mo., 1909; A.M., 1912; Ph.D., Yale Univ., 1914.

Hogue, Walter, farmer, Fairfield, Neb.

Breeder thoroughbred Poland-China hogs, Crete, Neb., 5 yrs.; raiser fancy poultry, Fairfield, 9 yrs. Sec. Clay Co. Farm Bur. Sergeant Neb. Nat. Guards, 3 yrs.; 2d Lieut. Home Guards, 1917-9. —*b.* Earlsville, Ill., Aug. 24, 1875; *s.* Romeo and Luella (Bagley) H.; reared on farm; *m.* Virgie Van Meter, Jan. 8, 1902; *c.* Emerson, Marion.

Hoke, Charles Edward, banker and agrl. writer, First Nat. Bank, Stillwater, Okla.

With Off. Farm Manag., U. S. Dept. Agr., 1909-19; present position, 1919–. Chm. agrl. com., Okla. State Bankers Assoc. *Auth.:* Farm Management, 1920; Simplified Farm Accounts.—*b.* Cherokee, Kans., Aug. 31, 1883; *s.* John P. and Annie (Montee) H.; reared on

farm; *m.* Leah C. Brown. 1910; *c.* Ralph Edward. B.S., Okla. A. & M. Coll., 1907; M.S., 1919.

Hoke, Mac, co. agrl. agt., Enterprise, Ore.
Instr. agr., high-sch., Idaho Falls, Ida., 1912; Twin Falls, 1913-5; Boise, 1915-7.—*b.* Cherokee, Kans., May 27, 1892; *s.* John P. and Anna (Montee) H.; reared on farm; *m.* Carrie Williamson, Dec. 30, 1915. B.S., Okla. A. & M. Coll., 1912.

Holbert, James Ransom, path. Off. Cereal Invests., U. S. Dept. Agr., Bloomington, Ill.
With Off. Cereal Invests., summer 1915, 1918–; agron. for Funk Bros. Seed Co., 1915-8. (Corn).—*b.* Delaware Co., Ind., July 18, 1890; *s.* Geo. and Mary (Rose) H.; reared on farm; *m.* Bertha E. Roberts, June 16, 1916; *c.* Ruth Marie. B.S.A., Purdue Univ., 1915; M.S.A., 1919. Sigma Xi; Alpha Zeta.

Holberton, Robert Francis, co. agrl. agt., Bowling Green, Va.
Fruit and general farmer, 1900-8; general and dairy, 1908-17; present position, 1917–.—*b.* England, Sept. 7, 1873 (naturalized 1918); reared in town; *m.* Mabel P. Henley; *c.* Thos. Henley, Robt. Maynard, John Vaughan.

Holdaway, Charles William, prof. dairy husb., Va. Poly. Inst., Blacksburg, Va.
Asst. dairy husb., Va. Poly. Inst., 1903-7; instr., 1907-14; assoc. prof., 1914-8; prof., 1918–. Traveled in Australia, Samoa, Hawaii.—*b.* New Zealand, May 24, 1880; *s.* Chas. and Helen B. R. (Mair) H.; reared in town and on farm; *m.* Carrie E. McTavish, Dec. 25, 1907; *c.* Helen, Lorne, Chas., Amy. B.S., Va. Poly. Inst., 1912; M.S., 1916.

Holden, Bertha Annette, asst. state leader home econ., Ia. State Coll., Ames, Ia.
Head home econ. dept., Wayneflete Sch., Portland, Me., 1913-4; head home-making dept., Essex Co. Agrl. Sch., Hathorne, Mass., 1916-7; home econ. specialist, Univ. Vt., 1917-20; present position, 1920–.—*b.* Brandon, Vt., May 29, 1890; *d.* Myron Clarence and Mary Louise (Dickerman) H.; reared on farm. A.B., Middlebury Coll., 1913; B.S., Columbia Univ., 1916.

Holden, Perry Greeley, head agrl. ext. dept., International Harvester Co., Harvester Bldg., Chicago, Ill.
Instr. agr., Mich. Agr. Coll., 1889-93; prof. sci., Benzonia Coll., Mich., 1895; co. supt. schs., Benzie Co., Mich., 1895-6; prof. agron., Univ. Ill., 1896-1900; agrst., Ill. Sugar Refining Co., 1900-1; organizer Funk Bros. Seed Co., 1902; prof. agron. and vice-dean dept. agr., Ia. State Coll., 1902-12; head agrl. ext., 1906-12; present position, 1912–. *Auth.:* Corn Secrets; Vitalized Agriculture in the Rural Schools.—*b.* Dodge Co., Minn., Oct. 14, 1865; *s.* Denison Franklin and Helen Mar (Wilson) H.; *m.* Carrie Burnett, Nov. 25, 1892. B.S., Mich. Agr. Coll., 1889; M.S., 1895; B.Pd., Mich. State Normal Sch., Ypsilanti, 1894; Pd.M., 1912.

Holland, Abner William, co. agrl. agt., Port Angeles, Wash.
Supt. schs., Ferndale, Wash., 1912-4; princ. high-sch., 1917; present position, 1917–.—*b.* Mo., Oct. 13, 1887; *s.* Chas. J. and Sarah E. (Hardy) H.; reared on farm; *m.* Lenore Theilmann, Mar. 12, 1917. B.S., Univ. Calif., 1916.

Holland, Edward Bertram, assoc. chem. in chg. research div., Mass. Exp. Sta., Amherst, Mass.
Asst. general and analytical chem., Mass. Exp. Sta., 1892-3; asst. chem. and feeding dept., 1893-4; asst. chem. in feeding expts., 1894-5; asst. chem., 1895-8; first. chem., 1898-1908; assoc. chem., 1908-11; present title, 1911–.—*b.* Amherst, Mass., Jan. 13, 1872; *s.* Henry and Hannah M. (Clark) H.; *m.* Lilian M. Smith, Sept. 10, 1902. B.Sc., Mass. Agr. Coll., 1892; M.Sc., 1898; Ph.D., 1915. Kappa Sigma; Phi Kappa Phi.

Holland, Ernest O., pres. Wash. State Coll., Pullman, Wash.
Asst. chem. lab., Univ. Ind., 1894-5; teach. high-sch., Ind., 1895-1900; Louisville, Ky., 1900-5; assoc. prof. educ., Univ. Ind., 1905-7; jr. prof. educ., 1907-8; prof. secondary educ., 1908-10; supt. schs., Louisville, Ky., 1911-6; present position, 1916–.—*b.* Bennington, Ind., Feb. 4, 1874; *s.* Philip C. and Ann (Chittenden) H.; reared in country. A.B., Univ. Ind., 1895; Ph.D., Columbia Univ., 1911; studied in

Europe, summers 1905-1909. Phi Beta Kappa; Phi Delta Kappa; Phi Kappa Phi.

Holland, Franklin Pierce, pres. Tex. Farm and Ranch Pub. Co., Dallas, Tex.
Ex-mayor Dallas.—*b.* Galveston, Tex., Sept. 22, 1852; *s.* Gustavus and Evelyn (Compton) H.; reared on farm; *m.* Pamelia Darling Allen; *c.* Franklin P. Jr., Reginald V., Gussie, James Porter, Marsh W.

Holland, Robert Ellsworth, co. agt. leader, Univ. Neb., Lincoln, Neb.
Instr. farm crops, Univ. Neb., 1915; agrl. agt., Kimball Co., 1916-7; present position, 1918–.—*b.* Sugar Run, Pa., Sept. 17, 1888; *s.* John G. and Ada L. (Burgess) H.; reared on farm; *m.* Susan M. Brodboll, Sept. 2, 1915; *c.* Mildred E., Robt. E., Kenneth E. B.Sc., Univ. Neb. Gamma Sigma Delta; Alpha Zeta.

Hollingworth, Arthur L., co. agrl. agt., Penn Yan, N. Y.
b. Utica, N. Y., July 17, 1883; *s.* Joseph and Jonetta (Liddle) H.; reared in city. B.S., Syracuse Univ., 1906. Phi Delta Theta.

Hollis, Sumner Dyer, co. agrl. agt., Newport, R. I.
Instr. an. husb., Bristol Co. Agrl. Sch., Segreganset, Mass., 1 yr. Manag. stock farm, Mt. Carmel, Conn., 1914-5; manag. general farm, Minetto, N. Y., 1915; manag. poultry farm, Niantic, Conn., 1916. (Dairy and an. husb.).—*b.* Holbrook, Mass., Feb. 13, 1890; *s.* Sanford W. and Sarah Elizabeth (Belcher) H.; reared on farm; *m.* Florence May Banning, Jan. 6, 1916; *c.* Sanford Walter, Ruth May. Conn. Agr. Coll., 1914. Sigma Alpha Pi.

Hollister, Sherman Preston, pom. and ext. hort., Conn. Agr. Coll., Storrs, Conn.
Hort., Hampton Normal and Agrl. Inst., 1909-11; instr. hort., Conn., Agr. Coll., 1911-7; pom. and ext. hort., 1917–. Treas. New England Peach Growers Assoc.—*b.* Medina, O., Feb. 11, 1884; *s.* John Burr and Hattie (Northrop) H.; reared on farm; *m.* Mary Cushing Rogers, Oct. 15, 1913; *c.* Mary Elizabeth. B.S.A., Cornell Univ., 1909.

Holloway, Thomas Edmunds, ent. asst., Bur. Ent., U. S. Dept. Agr., Sugar Exp. Sta., Audubon Park, New Orleans, La.
Assisted in U. S. boll weevil invests. in Tex.; invest. Mex. orange maggot in Mex. for Fed. Hort. Bd.; studied sugar-cane insects in La. and Cuba for Bur. Ent. Fellow A. A. A. S. (Sugar-cane insects, especially control of moth-borer).—*b.* Parsons, Kans., Aug. 20, 1886; *s.* Robt. T. and Edith (Hughes) H.; reared in town; *m.* Anita Mercedes del Corral, June 8, 1916; *c.* Francis Robt., Phyllis Anita. B.S.A., Tex. A. & M. Coll., 1908.

Holm, George Elmer, asst. prof. agrl. biochem., Univ. Minn., University Farm, St. Paul, Minn.
Princ. high-sch., Dawson, Minn., 1914-5; research asst. agrl. biochem., Univ. Minn., 1915-7; instr., Jan.-July 1919; asst. prof., 1919–. First Lieut., Chem. Warfare Serv., 1917-9.—*b.* Cokato, Minn., Jan. 20, 1891; *s.* John and Anna S. (Jonsson) H.; reared on farm; *m.* Julia M. Zanger, June 22, 1918; *c.* Helen Marie. B.S., Carleton Coll., 1914; M.S., Univ. Minn., 1916; Ph.D., 1919. Sigma Xi; Phi Lambda Upsilon; Gamma Sigma Delta; Gamma Alpha; Alpha Chi Sigma.

Holmes, Arthur Dunham, specialist in chg. digestion expts., U. S. Dept. Agr., East Ave. Hotel, Woodstown, N. J.
Instr. chem., Univ. Me., 1907; Mass. Agr. Coll., 1908; Ga. Sch. Tech., Sept.-Dec. 1911; chem. Spanish-Amer. Iron Co., Moa, Cuba, summer 1910; present position, 1911–. (Foods, nutr.).—*b.* Walpole, N. H., July 19, 1884; *s.* John Prentiss and Mary Emma (Dunham) H.; reared on farm; *m.* Edna F. Wright, June 25, 1912; *c.* Mary Wright. B.S., Dartmouth Coll., 1906; Ph.D., Johns Hopkins Univ., 1911.

Holmes, George Kirby, statistical sci., 1323 Irving St. N. W., Washington, D. C.
Prepared plan of invest. of distribution of wealth by Mass. Bur. Statistics of Labor, 1888; chg. invest. of real estate mortgages and farm and home tenure, census 1890; research and special invest. in agrl. statistics and econ., U. S. Dept. Agr., 1895–; crop-reporting serv., 1895–; mem. Crop Reporting Bd.,

1905–. Del. from U. S. to Intern. Inst. of Agr., Rome, Italy, 1909, 1910. Fellow Amer. Statistical Assoc.—*b.* Great Barrington, Mass., May 10, 1856; *s.* Harvey and Mary J. (Kirby) H.; reared in town and on farm; *m.* Lilian C. Hunter, Apr. 27, 1898; *c.* Emma Biscoe, Mary Kirby, G. Kirby Jr., John Hunter.

Holmes, Helen, farmer and gardener, Kingston, Mass.

Pres. New England Branch, Women's Farm and Garden Assoc.; mem. Food Conservation Com., Mass. Supt. schs., Kingston, 7 yrs. Traveled in Europe and Mex.—*b.* Kingston, Mass., Sept. 9, 1865; *d.* Frank H. and Cynthia D. (Brewster) H.; reared in country. A.B., Smith Coll., 1887.

Holsinger, C. V., ext. assoc. prof. truck crops and small-fruits, Ia. State Coll., Ames, Ia.

Ext. hort., Kans. State Agr. Coll., 1909-12; prof. hort., Milwaukee Co. Sch. Agr., 1918; present position, 1919–. Treas. and dir. Kans. State Hort. Soc., 1905-9.—*b.* Rosedale, Kans., Nov. 30, 1872; *s.* Frank and Mary Frances (Long) H.; reared on farm; *m.* Olive W. Wilson, Mar. 1896; *c.* Ray W., Laurence, Jas., Edna. B.S., Kans. State Agr. Coll.

Holst, John Henry, princ. secondary schs., Mont. State Coll., Bozeman, Mont.

Teach. public schs. until 1913; present position, 1913–; dir. summer session, Mont. State Coll., 1914–. Pres. Mont. Country Life Educ. Assoc., 1913–. Organizer of first consolidated sch. in Mont. *Ed.*, Country Life Dept., Mountain Educator, Montana Farmer.—*b.* Gravois Mills, Mo., Mar. 2, 1873; *s.* N. J. and Rachel Jane (James) H.; reared on farm; *m.* Laura C. Maynard, Aug. 10, 1910; *c.* Rachel Edith, Jane Maynard. Grad. Hooper Inst., Clarksburg, Mo.; M.A. (hon.), Univ. Mont., 1918.

Holt, Arthur E., nat. social serv. sec., Congregational Churches in Amer., 14 Beacon St., Boston, Mass.

Pastor, First Congregational Church, Pueblo, Colo., 1904-10; Manhattan, Kans., 1910-8; First Presbyterian Church, Ft. Worth, Tex. Mem. Nat. Social Serv. Comn. of Congregational Churches of Amer. *Auth.:* Justice and Social Faith. Editorial staff, Rural Educator. (Rural church and social serv.).—*b.* Longmont, Colo., Nov. 23, 1876; *s.* Asa D. and Fannie D. (Merrill) H.; reared on farm; *m.* Grace L. Bradshaw, 1904; *c.* Frances M., John B., Florence E. A.B., Colo. Coll., 1898; B.D., McCormick Sem.; Ph.D., Univ. Chicago, 1904.

Holt, James T. N., co. agrl. agt., Mt. Ida, Ark.

Ex-mem. House of Rep., Ark., 3 sessions, Senate, 2 sessions. Vice-pres. Ark. State Farmers Union.—*b.* Bingen, Ark., Apr. 12, 1863; *s.* J. T. and Cassie L. (Johnson) H.; reared on farm; *m.* Amanda J. Campbell, Dec. 25, 1887; *c.* J. T. N. Jr., P. C., Grace, Odessa, Charlie, Rector, John, Ralph, Willis.

Homer, William Harrison Jr., farmer and gen. manag. Utah Fruit Exchange, Pleasant Grove, Utah.

Prof. hort., Brigham Young Univ., 1907-8; princ. Sch. Agr., 1909-11; prof. hort., Utah Agr. Coll., 1911-3. Pres. State Hort. Comn., 1912-6; sec. State Hort. Soc., 1914-6. Traveled in Europe, 3 yrs.—*b.* Clarkston, Utah, July 30, 1875; *s.* Wm. Harrison and Susannah (Raymond) H.; reared on farm and in village; *m.* Philena Belle Fletcher, July 24, 1907; *c.* Helen, Wm. Fletcher, John Fletcher, Raymond, Edward Fletcher. B.S., Utah Agr. Coll., 1900; M.S.A., Cornell Univ., 1907.

Hood, George William, assoc. prof. hort., Univ. Neb., Lincoln, Neb.

Instr. hort. and in chg. conservatories, Ohio State Univ., 1907-9; asst., U. S. Dept. Agr., 1910-1; instr. hort., Mich. Agr. Coll., 1911-3; present position, 1913–. *Auth.:* Laboratory Manual of Horticulture, 1915; Practical School and Home Gardens, 1916; Farm Horticulture, 1918.—*b.* Lancaster, O., July 30, 1886; *s.* Jas. T. and Elizabeth (Hodgison) H.; *m.* Mildred M. Neimeier, July 7, 1915; *c.* Helen Elizabeth. B.S., Ohio State Univ., 1910; M.S., 1914. Sigma Kappa Zeta; Gamma Sigma Delta.

Hook, Wallace Henry, agrst., Neosho, Mo.

Dir. Agrl. High-Sch. and Exp. Farm, Ridgeley, Md., 1912-4; farm bur. manag., Ulster Co., N. Y., 1914-8; poultry farmer, Esopus, N. Y., 1916-8; agt. Newton Co., Mo., 1918-9. Vice-pres. Long Ridge Oil Co., Kingston, N. Y.—*b.* near Bridgewater, N. Y., Mar. 22, 1886; *s.* Wm. Feltham and Francis Alvira (Hopkins) H.; reared on farm. B.S., Cornell Univ., 1912.

Hooker, Henry Daggett Jr., asst. prof. hort., Univ. Mo., Columbia, Mo.

Instr. bot., Yale Univ., 1915-8; present position, 1919–. Asst. physiologist, Gas Defence Serv., Bur. Mines, 1917-8; 1st. Lieut. Chem. Warfare Serv., 1918. (Plant physiol. and chem.).—*b.* Brooklyn, N. Y., Jan. 25, 1892; *s.* Henry Daggett and Mary Theodora (Davenport) H.; reared in city; *m.* Mary Douglas Anderson, Dec. 16, 1919. B.A., Yale Coll., 1912; M.A., Yale Univ., 1913; Ph.D., 1915; student Univ. Strassburg, 1912-3. Phi Beta Kappa; Sigma Xi.

Hooker, William Anson, assoc. ed. Exp. Sta. Record, States Relations Serv., U. S. Dept. Agr., Washington, D. C.

Special field agt., U. S. Bur. Ent., 1904-8; ed. econ. ent., zool. and vet. med. for Exp. Sta. Record, 1908–. Fellow A. A. A. S.—*b.* Westhampton, Mass., Aug. 13, 1877; *s.* Chas. Henry and Mary (Edwards) H.; reared on farm and in town; *m.* Mary Woodbury Allen, Feb. 5, 1907; *c.* Allen Edwards, Chas. Bullard. B.Sc., Mass. Agr. Coll., 1899; D.V.M., Geo. Washington Univ., 1913. Phi Sigma Kappa.

Hooper, John Julian, prof. an. husb., Univ. Ky., Lexington, Ky.

Asst., Tex. Exp. Sta., 1902; asst. prof. agr., Univ. Ky., 1906-8; prof. an. husb., 1909–. Chm. examining bd., Ky. Creamery License Law. Chg. Horse Improvement Bur., Ky. State Racing Comn.; dir. agrl. div., Lexington Bd. of Commerce; first vice-pres. Amer. Army Horse Assoc.; dir. Blue Grass Fair; supt. dairy cattle, State Fair. *Ed.*, dairy dept., Inland Farmer. Studied European agr., 1911.—*b.* Colorado, Tex., Mar. 16, 1883; *s.* John Randolph and Julia Emma (Felker) H. B.S., Tex. A. & M. Coll., 1901; M.S.A., Ia. State Coll., 1907.

Hoover, Jessie May, milk utilization specialist, Dairy Div., Bur. An. Ind., U. S. Dept. Agr., Washington, D. C.

Preceptress Sch. Agr., S. D. State Coll., 1907-9; prof. home econ. and dean of women, N. D. Agr. Coll., 1909-12; prof. home econ., Univ. Ida., 1912-8; present position, 1918–. Chm. Home Econ. Div., Inland Empire Teachers Assoc., 1915-8; dir. home econ., U. S. Food Adminis., for Ida., 1917-8; chm. Food Conservation Women's Com., Council of Defense for Ida., 1917-8; chm. home econ., State Fed. of Women's Clubs, 1914-7.—*b.* Seneca, Kans.; *d.* D. F. and Martha A. (Tomson) H.; reared in town and on farm. B.S., Kans. State Agr. Coll., 1905. Phi Kappa Phi; Phi Upsilon Omicron.

Hoover, Mary Landis, home dem. agt., Marion, Ill.

Lect. home econ., Kans. State Agr. Coll., 1915-6; asst. state leader boys' and girls' club work, Univ. Wyo., 1916-8; home dem. agt., Williamson Co., Ill., 1918–.—*b.* Canton, Kans., July 3, 1887; *d.* Jacob S. and Mattie (Landis) H. B.S., Kans. State Agr. Coll., 1914.

Hopkins, Andrew Delmar, for. ent. in chg. for. insect invests., Bur. Ent., U. S. Dept. Agr., Washington, D. C.

Ent., W. Va. Exp. Sta., 1890-1902; vice-dir., 1897-1902; prof. econ. ent., W. Va. Univ., 1896-1902; present position, 1902–. Fellow A. A. A. S.; Amer. Geog. Soc. Vice-pres. Ent. Soc. Amer.; vice-pres. Assoc. Econ. Ent., 1900, pres. 1901; 1st pres. W. Va. Acad. Sci.; pres. Ent. Soc. Washington; vice-pres. Washington Acad. Sci.; vice-pres. Biol. Soc. Washington, 1915, pres., 1920. 1st pres. Soc. Adv. For. Ent. in Amer. Farmer and breeder sheep and cattle, 1877–; developed over 40 varieties of timothy.—*b.* Jackson Co., W. Va., Aug. 20, 1857; *s.* Andrew Evans and Miriam Florence (Evans) H.; reared on farm; *m.* Adealia S. Butcher, Nov. 18, 1880. Hon. Ph.D., W. Va. Univ., 1893.

Hopkins, Andrew Winkle, prof. agrl. journalism and ed. Exp. Sta., Univ. Wis., Madison, Wis.

Sec. Wis. Livestock Breeders Assoc. —*b.* Leeds, Wis., July 9, 1880; *s.* Richard and Harriet (Sawyer) H.; reared on

farm; *m.* Bess C. Brewer, Nov. 12, 1912; *c.* Robt. Brewer. B.S., Univ. Wis., 1903. Sigma Delta Chi.

Hopkins, Cyril George, prof. agron. and chief agron. and chem. and vice-dir. Exp. Sta., Univ. Ill., Urbana, Ill.; 1866-Oct. 6, 1919. See Rus 1918.

Hopkins, Elizabeth Anne, home dem. agt., W. Palm Beach, Fla.

Teach. rural schs., Ia. and Fla., 1898-1901; teach. expression, Ia. Wesleyan Univ., 1905-7; Ia. State Univ., 1907-8; physical training, Ft. Morgan, Colo., 1909-11; teach. expression, Catholic Convent, Cheyenne, Wyo., 1911-2; N. W. State Normal, Neb., 1912-3; social serv. work in N. Y. City, 1914-6; present position, 1916-.—*b.* Albion, Mich., Mar. 26, 1875; *d.* Jas. Hamlin and Ann E. (Whiting) H.; reared on farm and in town. Ph.B., Ia. Wesleyan Univ., 1898; teach. cert. Columbia Coll. Expression, Chicago, 1904; B.S., Columbia Univ., 1915.

Hopper, Herbert Andrew, prof. an. husb., Cornell Univ., Ithaca, N. Y.

Instr. dairy husb., Univ. Ill., 1903-7; ext. dairy husb., Purdue Univ., 1907-8; asst. prof. dairy husb., Univ. Calif., 1908-11; asst. prof. an. husb., Cornell Univ., 1911-3; prof., 1913-. Contributing ed., Black and White Record. Dairy farmer and breeder, 1911-.—*b.* Ithaca, N. Y., June 10, 1879; *s.* Andrew P. and Arvilla (Peckham) H.; reared on farm; *m.* Portia E. Gilkerson, July 31, 1907; *c.* Elizabeth, Portia Arvilla, Herbert A. Jr. B.S.A., Cornell Univ., 1903; M.S., Univ. Ill., 1907. Sigma Xi.

Hoppert, Ernest H., assoc. prof. ext. hort., Univ. Neb., Lincoln, Neb.

b. Sheboygan, Wis., Jan. 19, 1891; *s.* C. W. and Sophia (Kauffman) H.; reared in city and country; *m.* Clara Hauschildt, June 20, 1917; *c.* Marion Ruth. B.S.A., Univ. Wis., 1914. Alpha Zeta; Gamma Sigma Delta.

Hoppert, Martin John, co. agrl. agt., Plymouth, Wis.

Stock and grain farmer, Minn., 2 yrs.; dairy farmer, Wis., 6 yrs. Sec. Sheboygan Co. Holstein Breeders Assoc. —*b.* Sheboygan, Wis., Nov. 11, 1889; *s.* Christian and Sophie (Kauffman) H.; reared in city and on farm; *m.* Hattie Lange, June 15, 1914; *c.* Frederick, Martin Jr. B.S.A., Univ. Wis., 1912. Alpha Zeta.

Hopt, Erwin, farmer and stockman, Cambridge, Neb.

Exp. Sta., N. Platte, Neb., 1909; prof. agron., Univ. Neb., 1909-18. *Auth.:* (with Spafford) Laboratory Exercises in Principles of Agriculture, 1914.—*b.* Hamburg, Ia., Jan. 17, 1876; *s.* Chas. and Albina (Schnirl) H.; reared in town and country; *m.* Eva S. Burner, July 25, 1905; *c.* Helen Ruth, Erma Eveline, Carl Erwin. B.S.A., Univ. Neb., 1909. Sigma Xi; Alpha Zeta.

Horlamus, Orlando Oswald, co. agrl. agt., St. Peter, Minn.

Instr. an. husb., Dunn Co. Sch. Agr., Wis., 1918. Farmer and poultryman, W. Bend, Wis., 1911-4. (Poultry).—*b.* W. Bend, Wis., Nov. 1, 1893; *s.* John and Alvina (Wilke) H.; reared on farm; *m.* Nellie Irene Welch, July 1, 1919. B.S., Univ. Wis., 1918. Alpha Zeta.

Horne, William Titus, assoc. prof. plant path., Univ. Calif., Berkeley, Calif.

Instr. bot., Neb. Wesleyan Univ., 1898-1900; Sch. Agr., 1899-1900; asst. plant path., Cuban Exp. Sta., 1904-7; chief dept. plant path., 1907-9; asst. prof. plant path., Univ. Calif., 1909-14; assoc. prof., 1914-. Fellow A. A. A. S. Sec. Amer. Phytopath. Soc., Pacific Div.—*b.* Ill., Nov. 8, 1876; *s.* Wm. Henry and Ellen Alzora (Titus) H.; reared on farm; *m.* Mary Tracy Earle, July 1, 1906. B.S., Univ. Neb., 1898; fellow bot., Columbia Univ., 1903-4.

Horning, Jesse Orlan, co. agrl. agt., Glasgow, Ky.

Agrl. agt., Butler Co., Ky., 1917-9; Barren Co., 1920-. With Red Path Chautauquas, 1915-7. Sergeant, U. S. Army, 1918.—*b.* Marion, Ky., Jan. 4, 1894; *s.* G. W. and A. E. (Barnett) H.; reared on farm.

Horsford, F. H., nurseryman, Charlotte, Vt.

Supplied tree seeds to European dealers, particularly pine seeds. (Lilies and their culture).—*b.* Charlotte, Vt., July 21, 1855; *s.* Myron H. and Sarah

A. (Stearns) H.; reared on farm; *m.* Jane E. Stone, May 12, 1886; *c.* Cyrus Pringle, Earl Frederick.

Horton, John Raymond, sci. asst. in chg. Wichita lab., U. S. Bur. Ent., 126 S. Minneapolis Ave., Wichita, Kans.

Asst. ent., Utah Agr. Coll., 1906-9; dir. chg., Lindsay, Calif., lab., tropical and subtropical fruit insect invests., 1910-3; New Orleans, La., lab., 1913-7.—*b.* Ogden, Utah, Aug. 4, 1882; *s.* Joseph Holly and Mary Ruth (Davidson) H.; *m.* Aura Baker, July 23, 1910; *c.* John Ziemer, Dorothy. B.S., Utah Agr. Coll., 1909. Phi Kappa Iota.

Hosmer, Ralph Sheldon, prof. for., Cornell Univ., Ithaca, N. Y.

Asst. Div. Soils, U. S. Dept. Agr., 1896-8; field asst., Bur. For., 1898-1903; instr., Yale For. Sch., 1901-2; supt. for., Hawaii, 1903-14; regent Coll. of Hawaii, 1907-14; prof. for. and head dept., Cornell Univ., 1914–. Chm. Conservation Comn. of Territory of Hawaii, 1908-14. Del. from Hawaii to Nat. Irrig. Congress, 1907. Treas. Soc. Amer. Foresters, 1902-3; mem. exec. com., 1915; chm. N. Y. Sect., 1920; mem. exec. com., N. Y. State For. Assoc., 1915-21; mem. N. Y. State Wood Fuel Adv. Comn. Fellow A. A. A. S.—*b.* Deerfield, Mass., Mar. 4, 1874; *s.* Geo. Herbert and Julia West (Sheldon) H.; reared in city; *m.* Jessie Nash Irwin, Dec. 30, 1913; *c.* David Irwin, Jane Sheldon, Emily Frances. B.S.A., Harvard Univ., 1894; M.F., Yale Univ., 1902. Alpha Zeta.

Hottes, Alfred Carl, asst. prof. flor., Ohio State Univ., Columbus, O.

Asst. biol., Cornell Univ., 1913-4; instr. hort., 1914-6; present position, 1916–. With A. T. De LaMare Pub. and Ptg. Co., New York City, summer, 1916-7. Pres. Columbus Florists Assoc.; sec. Columbus Hort. Soc.; sec. Coll. Sect., Soc. Amer. Flor. and Ornamental Horts. Chg. trial grounds Amer. Gladiolus Soc., Ithaca, 1913-6. *Auth.:* Commercial Plant Propagation, 1917; revisor Oliver's Plant Culture, 1917. Contributor to Garden Guide. (Bearded iris).—*b.* Ithaca, N. Y., Mar. 16, 1891; *s.* Chas. F. and Mary A. (Bergman) H.; reared in small city. B.S., Cornell Univ., 1913; M.S.A., 1914. Sigma Xi.

Houck, Ulysses Grant, vet., Bur. An. Ind., U. S. Dept. Agr., Washington, D. C.

With Bur. An. Ind., 1897–; at present chief div. hog cholera control and administrative asst. to Chief of Bur.—*b.* Luzerne Co., Pa., Jan. 2, 1866; *s.* Samuel and Hulda Jane (Lutsey) H.; reared on farm; *m.* Nora C. Davenport, Oct. 5, 1905. B.S., Dickinson Sem., 1889; V.M.D., Univ. Penn., 1895.

Hough, Susan Alice, home dem. agt., Little Falls, Minn.

Teach. dom. sci., Lyle, Minn., 1915-6; Leroy, 1916-7; present position, 1918–.—*b.* Ironwood, Mich., June 17, 1893; *d.* Geo. D. and Evelyn (Hannah) H.; reared in town. B.S., Univ. Minn., 1915. Phi Upsilon Omicron.

Houghton, Frederick Lowell, sec. Holstein-Friesian Assoc. of Amer., Brattleboro, Vt.

Lawyer, Boston, 1884-95; Vt., 1896–. Mem. Vt. House of Rep., 1900-4. Trustee N. E. Agrl. Soc. *Auth.:* Holstein-Friesian Cattle—A History of the Breed and Its Development in America, 1887, rev. ed., 1920; Holstein-Friesian Year Book, 1900-12; Holstein-Friesian Herd Book, 1894-1915.—*b.* Brookline, Mass., Aug. 24, 1859; *s.* Chas. and Edna Rebecca (Lowell) H.; *m.* Rosmarie MacCallum, June 20, 1896 (d. 1899). LL.B., Boston Univ. Sch. of Law, 1884.

House, Edward B., prof. civil and irrig. engin., Colo. Agr. Coll., Ft. Collins, Colo.

Asst. math., Colo. Agr. Coll., 1896; prof. math., 1896-1905; assoc. prof. irrig. engin., 1905-10; prof. civil and irrig. engin., 1910–.—*b.* Evans, Colo., Feb. 27, 1872; *s.* E. P. and C. H. (Bishop) H.; reared on farm and small town; *m.* Harriet Chandler, 1898; *c.* Edward C., Margaret, Joe C. B.S., Univ. Mich., 1896; M.S., Colo. Agr. Coll., 1904.

Householder, Glen M., dir. immigration, Dept. Agr., Madison, Wis.

Foreman, Richland Co. Poor Farm, 1912; teach. agr., high-sch., Dawson, Minn., 1914-6; Spring Valley, 1916-7; co. agrl. agt., Ladysmith, Wis., 1917; asst. state leader co. agts., Univ. Wis., 1919; present position, 1919–. 2d Lieut., U. S. Army, 1917-9.—*b.* Richland Co., Wis., Jan. 12, 1890; *s.* H. C. and Alice

(Francis) H.; reared on farm; *m.* Erma Dieter, 1911; *c.* Howard C., Helen, John D., Neil. B.S., Univ. Wis., 1914.

Houser, John Samuel, assoc. ent., Ohio Exp. Sta., Wooster, O.

Asst. ent., Ohio Exp. Sta., 1903-7; asst. plant path., Cuban Agr. Exp. Sta., Santiago de las Vegas, 1907-9; asst. ent., Ohio Exp. Sta., 1909-13; assoc. ent., 1913–. Pres. Assoc. of Ohio Ent. (Park and shade tree insects).—*b.* Oxford, Kans., Apr. 19, 1881; *s.* Henry and Edna Caroline (Norris) H.; reared on farm; *m.* Elizabeth Mudge, Oct. 17, 1906; *c.* Mary Caroline. B.S., Kans. State Agr. Coll., 1904; M.S.A., Cornell Univ., 1911. Sigma Xi.

Houston, David Franklin, Secretary of the Treasury, formerly Secretary of Agriculture, Washington, D. C.

Adj. prof. political sci., Univ. Tex., 1894-7; assoc. prof., 1897-1900; prof., 1900-2; dean faculty, 1899-1902; pres. Tex. A. & M. Coll., 1902-5; pres. Univ. Tex., 1905-8; chancellor Washington Univ., St. Louis, 1908-16; Sec. Agr., 1913-20.—*b.* Monroe, N. C., Feb. 17, 1866; *s.* Wm. Henry and Cornelia Anne (Stevens) H.; *m.* Helen Beall, Dec. 11, 1895. A.B., S. C. Coll., 1887; A.M., Harvard Univ., 1892; LL.D., Tulane, 1903, Univ. Wis., 1906, Yale Univ., 1913, Univ. Mo., 1914, Harvard Univ., 1914, Rutgers Coll., 1919, Brown Univ., 1919.

Houston, Sherman Purdy, farmer and banker, Malta Bend, Mo.

Pres. bank, Malta Bend; mem. bd. Wood & Huston Bank, Marshall, Mo. Pres. Mo. Livestock Producers Assoc.; mem. adv. com. of Agrl. Comn., 1918. —*b.* Rushville, Ill., Mar. 24, 1865; *s.* John Purdy and Elinor (McNeely) H.; reared on farm; *m.* Pearl P. Parrish, Feb. 27, 1906; *c.* Florence Madelein. M.S., Chaddock Coll., Quincy, Ill., 1887.

Hovensten, Albert, supt. South East Dem. Farm and Exp. Sta., Waseca, Minn.

Sec. Waseca Co. Crop Improvement Assoc.; sec. Waseca Co. Farm Club Fed.—*b.* Jewell, Ia., Nov. 8, 1885; *s.* Thore and Julia (Flettrs) H.; reared on farm; *m.* Astaid Roswald, June 23, 1915; *c.* Moris. Student Jewell Lutheran Coll., Univ. Minn.

Hover, Charles Lewis, farmer, Longmont, Colo.

Wholesale druggist, Denver, 1886-1901; farmer and stockman, 1902–. Pres. Longmont Commercial Assoc., 1914; pres. Boulder Co. Farm Bur., 1912-3; pres. Colo. Farmers Congress, 1914-5; dir. Nat. Fed. of Coop. Livestock Shippers, 1920. Chm. Boulder Co. Council Defense, 1918.—*b.* Mazomanie, Wis., Mar. 2, 1867; *s.* Wm. Ulysses and Harriet (Harbough) H.; reared in village; *m.* Katherine Stewart Avey, Dec. 8, 1898. Student Univ. Wis. Phi Delta Theta.

Hoverstad, Torger Anderson, special agt. Minn., St. Paul and Sault Ste. Marie Ry., 1940 Penn Ave. S., Minneapolis, Minn.

Supt. Coteau Exp. Farm, Univ. Minn., 1894-5; supt. N. W. Exp. Farm, Crookston, 1895-1905; supt. N. D. farmers inst., 1908-13; agrl. comnr., Minn., St. Paul and S. Ste. Marie Ry., 1913-8; chair marketing, N. D. Agr. Coll., 1918-9; present position, 1919–. *Auth.:* Norwegians in America, 1914.—*b.* Dennison, Minn., Jan. 29, 1868; *s.* Anders Anderson and Ingebor (Estrem) H.; reared on farm; *m.* Mary C. Thomson, Sept. 15, 1897; *c.* Phoebe Ingebor, Andrew Thomson, Helen Cornelia, Mary Eleanor. B.Agr., Univ. Minn., 1894; B.S., 1895.

Howard, D. C., co. agrl. agt., St. Helens, Ore.

Instr. dairy production, Ore. Agr. Coll., 1914-7; present position, 1917–. —*b.* Salem, Ore., Jan. 14, 1888; *s.* Joseph Ethelston and Harriet Lucile (Barrows) H.; reared on farm; *m.* Mabel Etta Feathers, Aug. 9, 1916. B.S.A., Ore. Agr. Coll., 1914. Gamma Sigma Delta.

Howard, James Raley, farmer and feeder, Clemons, Ia.

Teach. rural and high-sch., 3 yrs.; cashier New Providence, Ia., State Bank, 5 yrs. 1st pres. Marshall Co., Ia., Farm Bur.; Ia. Farm Bur. Fed.; Amer. Farm Bur. Fed.—*b.* Marshall Co., Ia., Mar. 24, 1873; *s.* Henry C. and Jane

(Adams) H.; reared on farm; *m.* Anna Pickerell, Dec. 27, 1900; *c.* Henry C., Robt. P., John, Janet. Ph.B., Univ. Chicago; A.M., Univ. Penn., 1897.

Howard, Leland Ossian, chief Bur. Ent., U. S. Dept. Agr., Washington, D. C.
Asst. ent., Bur. Ent., 1878-94; chief, 1894–; curator dept. insects, U. S. Nat. Museum, 1895–; consulting ent., U. S. Public Health Serv., 1904–. Trustee Cornell Univ., 1900-5. Fellow A. A. A. S., sec., 22 yrs., pres., 1920–; pres. Assoc. Econ. Ent., 1894; Biol. Soc., Washington, 1897-8; Washington Acad. Sci., 1916. Mem. Amer. Phil. Soc., Amer. Acad. Arts and Sci., and Nat. Acad. Sci.; hon. mem. many foreign scientific organizations. *Auth.:* Mosquitoes—How They Live, etc., 1901; The Insect Book, 1902; The House Fly-Disease Carrier, 1911; monograph of the mosquitoes of North and Central America and the West Indies (with H. G. Dyar and F. Knab), 4 vols., 1912-7.—*b.* Rockford, Ill., June 11, 1857; *s.* Ossian Gregory and Lucy Dunham (Thurber) H.; reared in city; *m.* Dora Clifton, Apr. 28, 1886; *c.* Lucy Thurber, Candace Leland, Janet Moore. B.S., Cornell Univ., 1877; M.S., 1883; Ph.D., Georgetown Univ., 1896; M.D., George Washington Univ., 1911; LL.D., Univ. Pittsburg, 1911. Delta Upsilon.

Howard, Margaret, home dem. agt., Greenfield, Mass.
Teach. high-sch., Northfield, Mass., 1½ yrs.—*b.* Brooklyn, N. Y., Aug. 2, 1891; *d.* G. F. and Julia (Mason) H.; reared in city. B.S., Milwaukee-Downer Coll., 1914.

Howard, Robert Francis, chm. dept. hort., Univ. Neb., Lincoln, Neb.
Asst. hort., Univ. Neb., 1908-12; asst. prof. hort., Univ. Wis., 1912-4; present position, 1914–.—*b.* Griffin, Mo., Feb. 16, 1883; *s.* Henry and Nancy (Cooper) H.; reared on farm; *m.* Florence Whittier, Apr. 9, 1914; *c.* Jane, Bernice. B.S.A., Univ. Mo., 1908; M.A., Univ. Neb., 1912. Sigma Xi; Alpha Zeta; Gamma Sigma Delta.

Howard, Walter Lafayette, prof. pom., Univ. Calif., Deciduous Fruit Exp. Sta., Mountain View, Calif.
Asst. hort., Univ. Mo., 1901-3; instr., 1903-5; asst. prof., 1905-8; prof., 1908-15; present position, 1915–. Sec. Mo. State Bd. Hort., 1908-12; asst. sec. Amer. Soc. for Hort. Sci., 1914, pres., 1915. Traveled in Europe, Africa and Cuba. *Auth.:* Propagation of Trees and Plants, 1905; The Home Garden, 1905; Uses of Hotbeds and Coldframes, 1907. City ed., Springfield, Mo., Leader-Democrat, 1894-5.—*b.* near Springfield, Mo., May 12, 1872; *s.* Henry T. and Nancy E. (Cooper) H.; reared on farm; *m.* Maybelle Cooper, June 25, 1908; *c.* Thos. Henry, Robt. Cooper, Edwin Lewis, Walter Egner. B.S. and B.Agr., Univ. Mo., 1901; M.S.A., 1903; Ph.D., Univ. Halle-Wittenberg, 1906. Sigma Xi; Gamma Sigma Delta; Sigma Kappa Zeta.

Howat, Robert John, co. agrl. agt., Independence, Mo.
Sec. Mo. Assoc. of Co. Farm Burs., 1915-7; pres. Mo. Assoc. Co. Agrl. Agts., 1920; co. food adminis. for Saline Co.; sec. Co. Council of Defense.—*b.* Welton, Ia., Oct. 11, 1893; *s.* John and Louisa (Bowcott) H.; reared on farm; *m.* Frances E. Wilson, Dec. 27, 1916; *c.* Robt. W. B.S.A., Univ. Mo., 1915. Gamma Sigma Delta.

Howe, Frank William, dean Joseph Slocum Coll. of Agr., Syracuse Univ., Syracuse, N. Y.
Teach. rural schs., Mich., 1885-7; ed. Christian Educator, Battle Creek, 1897-9; princ. Petoskey high-sch., 1900-2; supt. schs., Mancelona, Charlevoix, Mich. and Maumee, O., 1902-7; instr. farm crops, Mich. Agr. Coll., 1908; asst. agrl. educ., U. S. Dept. Agr., 1909-10; specialist in agrl. educ., N. Y. State Educ. Dept., 1910-2; present position, 1912–. Mem. N. Y. Comn. on Country Boys Leaving Home; mem. N. Y. State Council of Farms and Markets.—*b.* Kent Co., Mich., Apr. 19, 1865; *s.* Joseph L. and Lovina C. (Cryderman) H.; reared on farm; *m.* Edith M. Brown, 1902; *c.* Milward L., Allison J., Douglas K., Vernon S., E. Ronald. A.B., Univ. Mich., 1893; M.S., Mich. Agr. Coll., 1909.

Howell, Augustus T., broom specialist, W. Va. Dept. Agr., Charleston, W. Va.
Served in Fed. Army, Civil War.—*b.* Gallia Co., O., Apr. 21, 1847; *s.* Lewis and Mary (Kerns) H.

Howell, Carroll Evan, asst. prof. an. husb., Wash. State Coll., Pullman, Wash.

Instr. Camp Taylor, Ky., 1918-9.—*b.* Holliday, Mo., Feb. 7, 1892; *s.* Henderson Allen and Sarah Elizabeth (Williams) H.; reared on farm. B.S.A., Univ. Mo., 1915; M.S., Wash. State Coll., 1917. Sigma Chi; Gamma Sigma Delta.

Howerton, Joel Doan, co. agrl. agt., Meridian, Miss.

In chg. agr., high-sch., Lamar Co., Miss., 1915-6; present position, 1916–. —*b.* Iuka, Miss., Nov. 11, 1892; *s.* Geo. T. and Lulu (Doan) H.; reared on farm; *m.* Flora Jackman, Sept. 6, 1918. B.S., Miss. A. & M. Coll., 1915.

Howes, Ernest Albert, dean Coll. Agr., Univ. Alberta, Edmonton, Alta.

Supt. plot tests, Seed Branch, Ottawa, 1911-2; prof. field husb., Univ. Nev., 1912-3; princ. Sch. Agr., Vermillion, Alta., 1912-5; present position, 1915–.—*b.* Henry, Ont., Mar. 21, 1862; *s.* Joseph and Sarah Jane (McNally) H.; reared on farm; *m.* Nora Kathleen Lindsay, Dec. 31, 1906; *c.* Nora Kathleen, Jessie Evelyn, Mona McNally. Grad. Ont. Agr. Coll., 1911.

Hoy, Benjamin, manag. C. Aikins Fruit Ranch, Naramata. B. C.

Formerly asst. hort., Vernon, B. C.; chief hort. for interior of B. C., 1919; present position, 1920–. (Orchard manag.).—*b.* Fall River, Mass., Feb. 12, 1888; *s.* Jas. and Mary J. H.; reared on farm; *m.* Ruby Elliott, Aug. 31, 1918. B.S.A., Ont. Agr. Coll. and Toronto Univ., 1909.

Hoyle, Samuel Cooke, ed. ext. serv. publications, Tex. A.&M. Coll., College Station, Tex.

Reporter and ed. several country weekly papers; asst. ed. Corsicana Daily Sun, Tex.; city ed., Bryan, Tex., Daily Eagle; ed. Tex. farm news columns, Progressive Farmer. (Agrl. publicity).—*b.* Athens, Tenn., June 10, 1873; *s.* P. W. and Elizabeth (Wilson) H.; reared on farm; *m.* Mable Angelina Board, June 5, 1901; *c.* Samuel C. Jr. A.B., Emory Univ., Atlanta, Ga., 1895. Sigma Nu.

Hubbard, William Woodbridge, supt. Dominion Expl. Sta., Fredericton, N. B.

Sec. and teach., Sussex Dairy Sch., 1893-5; ed. Maritime Farmer, Sussex, N. B., 1895-1901; ed. Maritime Homestead, Halifax, 1901-3; agrl. agt., Canadian Pacific Ry., 1902-4; present position, 1912–. Mem. and sec. Royal Agrl. Comn. of N. B., 1908-9; sec. for agr. of N. B. and supt. farmers insts., 1909-12. Sec. Provincial Farmers Assoc., 1888-93; sec. Farmers and Dairymens Assoc. of N. B., 1893-1904; sec. Maritime Stock Breeders Assoc., 1896-1903. —*b.* Burton, N. B., Aug. 4, 1866; *s.* F. Ambrose and Susan H. (Wilmot) H.; reared on farm; *m.* A. L. Gregory, Aug. 17, 1893; *c.* Gerald A. Educ. Ont. Agr. Coll.

Hubbell, Howard, co. sec. Intern. Com. Y. M. C. A., 1610 Candler Bldg., Atlanta, Ga.

b. Makanda, Ill., Sept. 9, 1874; *s.* W. H. and Elizabeth (Du Bois) H.; reared on farm; *m.* Belle T. Tevis, Oct. 27, 1904; *c.* Sallie Belle. B.S., N. D. Agr. Coll., 1900; B.A.S., Y. M. C. A. Coll., Chicago, 1908; grad. student Univ. Neb., 1 yr.

Hubert, Benjamin Franklin, dir. agr., State A. & M. Coll., Orangeburg, S. C.

Prof. agr., Americus Inst., Ga., 1909-10; present position, 1912–. Dir. State Fair Assoc. Head ext. serv. and general dir. coll. farm. Special agt., U. S. Food Adminis., 1918–. Superv. agrl. instr. colored troops, Amer. Army Educ. Corps, in France, 1919. *Ed.*, The Palmetto Farmer; agrl. ed. The Southern Indicator, Columbia, S. C., 1913; Peoples Recorder, Orangeburg, 1914-5.—*b.* White Plains, Ga., Dec. 25, 1883; *s.* Zack and Camilla (Hillman) H. (col.); reared on farm. A.B., Morehouse Coll., 1909; B.S.A., Mass. Agr. Coll., 1912.

Huddleston, Delbert Alfred, dir. agrl. educ., high-sch., Corpus Christi, Tex.

Princ. rural sch., 1905-7; instr. sci., high-sch., Huntsville, Tex., 1917-8; present position, 1918–.—*b.* Tex., Jan. 16, 1885; *s.* J. N. and Emma (Brown) H.; reared on farm; *m.* Birdie Hensley, Sept. 5, 1905; *c.* Delbert A. Jr. Grad. Sam Houston Normal Coll., 1918.

Hudelson, Robert R., assoc. prof. soils, Univ. Mo., Columbia, Mo.

Asst. agron., Univ. Mo., 1912-3; instr., 1913-5; asst. prof., 1915-9; assoc.

prof., 1919–. 1st Lieut. Field Artillery, U. S. Army, 1917-8, Capt., 1918-9.—*b.* Chambersburg, Ill., Feb. 20, 1886; *s.* Henry C. and Kathryn (Brook) H.; reared on farm. B.S., Univ. Ill., 1912; A.M., Univ. Mo., 1915. Sigma Xi.

Hudson, J. Frank, co. agrl. agt., Towson, Md.

b. Rootstown, O., Aug. 21, 1879; *s.* Herbert F. and Hettie M. (Clark) H.; reared on farm; *m.* Maude M. Meloy, Sept. 3, 1901; *c.* Rollin C., Edward E. Grad. short-course, Ohio State Univ., 1901.

Hudson, Robert Bowman, minister, Sinks Grove, W. Va.

Mem. Bd. Dirs. Lewisburg Sem. and Junior Coll., 8 yrs., pres., 4 yrs. Pres. Monroe Co. Farm Bur., 8 yrs.; sec. W. Va. Fed. Farm Burs., 1 yr.; mem. for W. Va., House of Delegates, Amer. Fed. Farm Burs. (Betterment of country life conditions).—*b.* Dublin, Va., Feb. 9, 1873; *s.* Isaac Hudson and Annie (Bowman) H.; reared in village; *m.* Elizabeth Cloyd Kent; *c.* Ellen H., Elizabeth C., Robt. B. Jr., Margaret K. A.B., Roanoke Coll., 1895; B.D., Ky. Theol. Sem., 1898. Phi Delta Theta.

Huey, Ray, teach. agr., Newark, N. Y.

b. Tyrone, N. Y., Jan. 16, 1887; *s.* Joseph and Jane (Henderson) H.; reared on farm. B.S., Cornell Univ., 1914. Kappa Phi.

Hughes, Cecil A., co. agrl. agt., Petersburg, Ill.

Farm manag., Univ. Ill., 1914-5; farmer and teach. ext. schs., 1915-6; agt. Monroe Co., W. Va., 1916-8; Noxubee Co., Miss., 1918; Jefferson Co., W. Va., 1918-20; Menard Co., Ill., 1920–.—*b.* Hugo, Ill., Apr. 23, 1889; *s.* Stephen A. D. and Frances P. (Lemmon) H.; reared on farm; *m.* Myrtle Rehner, Dec. 22, 1915. B.S., Univ. Ill., 1914. Alpha Zeta.

Hughes, Donald Dodd, asst. prof. farm econ., Ohio State Univ., Columbus, O.

Farm manag. dem., Ohio State Univ., 1916-7; present position, 1919–. 2d Lieut., U. S. Army, 1918-9. (Farm manag. and accounting).—*b.* Eaton, O., Feb. 21, 1893; *s.* Augustus A. and Mary (Griffan) H.; reared on farm and in city. B.S.A., Ohio State Univ., 1916. Alpha Zeta.

Hughes, Elmer Howard, asst. to dean and dir. and supt. short courses, Univ. Mo., Columbia, Mo.

Asst. an. husb., Univ. Mo., 1913-4; instr., 1914-5; asst. prof., 1915-7; present position, 1917–. Farm manag., 4 yrs.—*b.* Rewey, Wis., Apr. 8, 1887; *s.* John T. and Sarah (Rundell) H.; reared on farm; *m.* Beulah Baker, July 9, 1912. B.S.A., Univ. Wis., 1912; A.M., Univ. Mo., 1916. Gamma Sigma Delta; Alpha Zeta.

Hughes, Hallie Lee, asst. state girls' club agt., Va. Poly. Inst., Blacksburg, Va.

Teach. home econ., agrl. high-sch., Burkeville, Va., 1912-5; home dem. agt., Nottoway Co., summers 1911, 1913; teach. home econ., high-sch., Lincoln, 1915-6; home dem. agt., Loudoun Co., 1915-7; distr. agt. home dem. work, 1917-9; present position, 1919–.—*b.* Burkeville, Va., June 13, 1891; *d.* John D. and Martha Baldwin (Agnew) H.; reared in country. Grad. State Normal and Ind. Sch., Harrisonburg, Va.

Hughes, Harold DeMatt, prof. farm crops, Ia. State Coll., Ames, Ia.

Instr. agron., Univ. Mo., 1908-10; prof. farm crops, Ia. State Coll. and chief in Exp. Sta., 1910–.—*b.* Antioch, Ill., Jan. 16, 1882; *s.* Hugh D. and Jessie (Yule) H.; reared on farm; *m.* Lulu Lego, 1909; *c.* John, Daniel, Alice. B.S., Univ. Ill., 1907; M.S.A., Univ. Mo., 1908. Sigma Xi; Alpha Zeta; Phi Beta Phi.

Hughes, Hugh John, dir. markets, State Dept. Agr., St. Paul, Minn.

Teach. high-sch. and coll., 10 yrs.; farmer, N. D., 1901-7; ed. Farm, Stock and Home, Minneapolis, 1910-9; present position, 1919–. Mem. 1st Minn. Efficiency Comn. (Rural sociol. and econ.).—*b.* Milwaukee, Wis., Aug. 4, 1872; *s.* Hugh J. and Sarah E. (Lloyd) H.; reared on farm; *m.* Alsie Vivian Sackett, 1898; *c.* Frances Eleanor, Winnifred Eunice, Leslie Hugh, Alsie Retta. B.S., Lawrence Coll., 1898; B.S.A., N. D. Agr. Coll., 1909.

Hughes, Mary Mildred, dir. rural educ., Colo. State Normal, Gunnison, Colo.

Teach. psychology, Normal No. 5, Maryville, Mo., 1910-5; present position, 1916-.—*b.* Markesan, Wis.; *d.* Wm. Robt. and Margaret (Rummel) H.; reared in town and country. A.B., Univ. Colo., 1908; A.M., 1909. Pi Lambda Theta.

Hulbert, Arthur Mauvah, state club leader, Rutgers Coll., New Brunswick, N. J.

Vice-princ. high-sch., Rutherford, N. J., 1894-5; princ. grammar sch., Dumont, 1895-9; Cresskill, 1900-1; supt. and princ. high-sch., Park Ridge, 1901-17; present position, 1917-.—*b.* Brookside, N. J., Sept. 15, 1870; *s.* John F. and Sarah E. (Baird) H.; reared on farm; *m.* Sarah Eva De Hart; *c.* Marguerite D., Katherine E.

Hulbert, Harold Watkins, asst. prof. farm crops, Univ. Ida., Moscow, Ida.

Teach. agr., high-sch., Otsego, Mich., 1915-6; teaching fellow, Ia. State Coll., 1916-7; instr. farm crops, Univ. Ida., 1917-8; asst. prof., 1918-.—*b.* Owosso, Mich., Nov. 11, 1892; *s.* Clarence P. and Hattie M. (Smith) H.; reared on farm; *m.* Celine Regina Goethals, Sept. 29, 1919. B.S., Mich. Agr. Coll., 1915; M.S., Ia. State Coll., 1917. Acacia.

Hulce, Ray Stillman, assoc. prof. an. husb., Univ. Wis., Madison, Wis.

Instr. dairy husb., Univ. Ill., 1911-7; farmer, 1917-8; present position, 1918-. (Dairying).—*b.* Sugar Creek, Wis., June 20, 1884; *s.* Albert and Ella (Weaver) H.; reared on farm; *m.* Lenna S. Baker, Dec. 30, 1915. B.S.A., Univ. Wis., 1911; M.S., Univ. Ill., 1913. Gamma Alpha.

Hultz, Fred Samuel, asst. prof. an. husb., Penn. State Coll., State College, Pa.

Asst. herdsman, Ia. State Coll., 1915-6; asst. an. husb., Penn. State Coll., 1917-8; asst. prof., 1919-. Athletic dir., Y. M. C. A., France, 1918-9. (An. breeding, swine).—*b.* Des Moines, Ia., Oct. 3, 1893; *s.* Geo. B. M. and Grace May (Hulsizer) H.; reared in country and town; *m.* Helen Parry Samuels, Aug. 16, 1919. B.Sc., Ia. State Coll., 1915; M.Sc., 1917. Alpha Tau Omega.

Humbert, Eugene Peter, plant-breeder in chg. div., Tex. Exp. Sta., College Station, Tex.

Instr. farm crops, Ia. State Coll., 1906-7; asst. plant-breeding, Cornell Univ., 1908-10; plant physiologist, U. S. Dept. Agr., 1910-1; assoc. biol., Me. Exp. Sta., 1911-2; agron, N. Mex. A. & M. Coll., 1912-6; present position, 1916-.—*b.* Corning, Ia., Sept. 1, 1881; *s.* Peter P. and Lucy R. (Mathis) H.; reared on farm; *m.* Ella Clark Adams, Sept. 7, 1909; *c.* Bertha Ellen, Robt. Pierre, John Leroy. B.S.A., Ia. State Coll., 1906; M.S., Cornell Univ., 1908; Ph.D., 1910. Sigma Xi; Phi Kappa Phi; Delta Upsilon.

Hume, Albert Nash, agron., S. D. State Coll. and Exp. Sta., Brookings, S. D.

Instr., Purdue Univ., 1902; Winona Agrl. Inst., 1903; instr., assoc., asst. prof., Univ. Ill., 1903-11; present position, 1912-. Sec. S. D. State Corn and Grain Growers Assoc. Fellow A. A. A. S.—*b.* Plymouth, Ind., Dec. 3, 1878; *s.* Albert Campbell and Mary Elizabeth (Nash) H.; reared on farm and small town; *m.* Anna Ruth Thomson, July, 1903; *c.* Albert Thomson, Robt. Arthur, David Lang. B.S.A., Purdue Univ., 1900; M.S., 1902; Ph.D., Goettingen Univ., 1910. Sigma Xi.

Hume, H. Harold, hort., Glen St. Mary, Fla.

Bot. and hort., Fla. Agr. Coll., 1899-1904; hort., N. C. Exp. Sta. and state hort., 1904-6; sec. and manag. Glen St. Mary Nurseries, 1906-7, vice-pres. and sec., 1907-; pres. E. O. Painter Fert. Co., Jacksonville, Fla., 1918-. Pres. Fla. State Hort. Soc. Studied citrus cult. in Spain, 1912. *Auth.:* Citrus Fruits and Their Culture, 1904; The Pecan and Its Culture, 1906.—*b.* Russell, Ont., June 13, 1875 (naturalized 1912); *s.* John and Ellen (McIntyre) H.; reared on farm; *m.* Emily Georgia Norman, 1900; *c.* Edward Grisdale, Harold Norman. B.S.A., Ia. State Coll., 1899; M.S., 1901. Phi Kappa Phi.

Hummel, William Granville, prof. agrl. educ. and head div., Univ. Calif., Berkeley, Calif.

Instr. farm mech. and dairying, Colo. Agr. Coll., 1908; instr. agron. and farm

mech., N. Mex. A. & M. Coll., 1908-9; teach. agr., high-sch., Oxnard, Calif., 1909-10; Fresno high-sch. and Junior Coll., 1910-1; instr. agrl. educ., Univ. Calif., 1911-2; asst. prof., 1912-4; assoc. prof., 1914-8; prof., 1918-. On leave 1917-8, acting as agrl. agt. for Fed. Bd. for Voc. Educ., Washington, D. C., and asst. dir. for agrl. educ., 1918-9; state dir. voc. educ., Pullman, Wash., 1919-20. *Auth.:* Materials and Methods in High School Agriculture, 1913.—*b.* Roberts, Ill., Feb. 19, 1882; *s.* John and Sarah M. (Upson) H.; reared on farm; *m.* Bertha Ella Royce, 1907. B.S., Univ. Ill., 1907; M.S., Univ. Calif., 1912. Phi Delta Kappa; Sigma Pi.

Hummer, George A., apiarist, Prairie Point, Miss.

Bee specialist, Miss. A. & M. Coll., 1918-9.—*b.* Iowa City, Ia., Jan. 26, 1853; *s.* Wenzel and Mary (Deckleman) H.; reared on farm; *m.* Jennie E. Jones, Mar. 25, 1873; *c.* Leigh W., Lillian L., Earl W., Pearl M., Glenn, Geo. A. Jr.

Humpherys, Le Grande Rich, assoc. prof. farm mech., Utah Agr. Coll., Logan, Utah.

Teach. Fielding Acad., Paris, Ida., 1906-11; instr. farm mech., Utah Agr. Coll., 1912-3; asst. prof., 1913-7; assoc. prof., 1917-.—*b.* Paris, Ida., June 28, 1884; *s.* Hyrum T. and Caroline W. (Rich) H.; reared on farm; *m.* Nettie Wright, Sept. 2, 1908; *c.* Russell, Dean, Max. B.S., Utah Agr. Coll., 1912.

Humphrey, Clarence John, path. in chg. For. Products Lab., Madison, Wis.

Asst. mycology, Cornell Univ., 1907-9; lect. for. path., Univ. Wis., 1913-. Fellow A. A. A. S. *Assoc ed.,* Phytopathology, 2 yrs. (Timber decay, Basidiomycetes).—*b.* Cleveland, O., Mar. 3, 1882; *s.* Henry Alonzo and Wealthy Arvilla (Knapp) H.; reared in city and on farm; *m.* Blanche Newton, June 18, 1913; *c.* Herbert Newton. A.B., B.Sc., Univ. Neb., 1906; grad. student Cornell Univ., 2 yrs. Sigma Xi.

Humphrey, George Colvin, prof. and chm. dept. an. husb., Univ. Wis., Madison, Wis.

From instr. to prof. an. husb., Univ. Wis., 1901-.—*b.* Palmyra, Mich., Feb. 13, 1875; *s.* Geo. and Sarah C. (Colvin) H.; reared on farm; *m.* Eva Doty, June 25, 1902. B.S., Mich. Agr. Coll., 1901.

Humphrey, Harold Nelson, co. agrl. agt., Bath, N. Y.

Sci. asst., Off. Farm Manag., U. S. Dept. Agr., 1911-7; States Relations Serv., 1917-8; formerly agt. Steuben Co., N. Y.—*b.* Roxbury, N. Y., June 1, 1887; *s.* Daniel S. and Oliva A. (Beardslee) H.; reared on farm; *m.* Leona Jane Simmons, Dec. 4, 1913. B.S.A., Cornell Univ., 1911. Sigma Phi Sigma.

Humphrey, Harry Baker, path. in chg. cereal disease invests., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Instr. Leland Stanford Jr. Univ., 1905-8; prof. plant path., Wash. State Coll., 1912-3; bot. and plant path., and vice-dir. Exp. Sta., 1912-3. Botanical ed., Cree-Binner Pub. Co., Santa Rosa, Calif., 1907. Fellow A. A. A. S.—*b.* Granite Falls, Minn., Aug. 4, 1873; *s.* John Wadsworth and Adeline (Regester) H.; reared on farm; *m.* Olive A. Mealey, June 10, 1901; *c.* Llewelyn M., Robt. R., Helen W., Isabel Estella, Harry B., John W. D. B.S., Univ. Minn., 1899; Ph.D., Leland Stanford Jr. Univ., 1907. Sigma Xi.

Humphrey, John Regester, head dept. markets, Univ. Ky., Lexington, Ky.

Formerly invest. in market business practice, U. S. Bur. Markets. *Auth.:* Spenceriana; The Recompense. (Marketing farm crops).—*b.* Harrisburg, Ore., Dec. 11, 1879; *s.* John W. and Adeline (Regester) H.; reared on farm; *m.* Josephine E. Baer, Aug. 21, 1906; *c.* John Baer. Student Univ. Minn.

Humphrey, Robert Abel, co. agrl. agt., Lewiston, Minn.

Teach. sci., high-sch., Marshall, Minn., 1911-2; teach. agr., high-sch., Chatfield, 1914-5; fieldman, Marathon Co. Agrl. Sch., Wausau, Wis., 1916-7; agrl. agt. Winona Co., Minn., 1918-.—*b.* Wild Rose, Wis., Mar. 5, 1886; *s.* John and Margret (Williams) H.; reared on farm; *m.* Goldie Ethel McLaird, June 12, 1918. B.A., Ripon Coll., Wis., 1911; M.S., Univ. Wis., 1914.

Hungerford, Charles William, plant path., Ida. Exp. Sta., Moscow, Ida.

Princ. high-sch., Houston, Minn., 1910-1; supt., 1911-3; asst. bot., Univ. Wis., 1913-4; asst. plant path., 1914; sci. asst. cereal invests., U. S. Dept. Agr., 1915-7; asst. path., 1917-9; present position, 1919–. (Diseases of field crops). —*b.* Fillmore Co., Minn., Feb. 26, 1885; *s.* J. B. and Alice (Moore) H.; reared on farm; *m.* Ruth Partridge, June 11, 1913; *c.* Kenneth Eugene. B.S., Upper Ia. Univ., 1910; M.S., Univ. Wis., 1915. Sigma Xi.

Hungerford, De Forest, farm manag. specialist, U. S. Dept. Agr. and Univ. Ga., Athens, Ga.

Grad. asst. and instr. soils, Univ. Minn., 1910-4; formerly asst. prof. agron., Univ. Ark.—*b.* Randolph, Kans., Dec. 9, 1887; *s.* Geo. H. and D. E. C. (Secrest) H.; reared on farm; *m.* Ruth Bennett, Dec. 22, 1916; *c.* Ruth Caroline, John Bennett. B.S., Kans. State Agr. Coll., 1910; M.S., Univ. Minn., 1914. Alpha Chi Sigma.

Hungerford, John D., asst. prof. nutr. chem., N. Mex. A. & M. Coll., State College, N. Mex.

b. Randolph, Kans., Dec. 9, 1893; *s.* Geo. H. and Cara (Secrest) H.; reared on farm and in city. B.S., Kans. State Agr. Coll., 1915.

Hunn, Chester Jermain, asst. hort., hort. and pom. invests., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Asst. hort., Hawaii Exp. Sta., 1908-13; acting hort., 1913-4; prof. hort., Univ. Porto Rico, 1914-6; present position, 1919–. Teach. Aviation Sch., Cornell Univ., 1917-8. Exploration of Haiti as trop. agrl. expert, 1917.—*b.* E. Bloomfield, N. Y., Mar. 14, 1884; *s.* Chas. Edward and Elizabeth (Moffat) H.; reared in town; *m.* Jessie Sevier McCormick, July 7, 1910. B.S.A., Cornell Univ., 1908. Lambda Chi Alpha.

Hunnicutt, George Frederick, farmer and ed. Southern Cultivator, Hapeville, Ga.

Compiler Southern Crops, 1908. *Auth.:* David Dickson's and James M. Smith's Farming, 1910.—*b.* Coweta Co., Ga., Oct. 20, 1862; *s.* Jas. B. and Emily Jane (Page) H.; reared on farm; *m.* May Bernard; 2d, Mary W. Middlemas; *c.* Jas. Bernard, Wm. Lytlleton, Dorothy May. A.B., Univ. Ga., 1883. Delta Tau Delta.

Hunt, Benjamin W., farmer and banker, Eatonton, Ga.

Ex-pres. Ga. Bankers Assoc.; vice-pres. Ga. Hort. Soc.; chm. Bd. Trustees, 8th Distr. Ga. State Agrl. Sch. Traveled in Europe and Mexico.—*b.* Chappaqua, N. Y.; *s.* Benj. W. and Mary (Quinby) H.; reared on farm; *m.* Louise Prudden, May 18, 1876.

Hunt, Caroline Louisa, specialist in home econ., Off. Home Econ., U. S. Dept. Agr., Washington, D. C.

Teach. high-sch., 1888-93; teach. home econ., 1896-1908; ed. home and educ. dept., LaFollette's Weekly, 1909-12. *Auth.:* Home Problems, 1908; Life of Ellen H. Richards, 1912.—*b.* Chicago, Ill., Aug. 23, 1865; *d.* Homer C. and Ann (Gleed) H.; reared in city. A.B., Northwestern Univ., 1888. Phi Beta Kappa; Delta Gamma.

Hunt, Ralph Edward, prof. an. husb., Va. Poly. Inst., Blacksburg, Va.

Instr. an. husb. in short course, Penn. State Coll., 1911-2; instr. an. husb., W. Va. Univ., 1912-3; assoc. prof., Va. Poly. Inst., 1914-8; prof. 1918–. (Dairy cattle).—*b.* Marysville, Kans., Mar. 13, 1889; *s.* John O. and Fannie (Peters) H.; reared on farm; *m.* Ena M. Smith, Sept. 25, 1912; *c.* Dorothy Ena. B.S.A., Kans. State Agr. Coll., 1911; M.S., Va. Poly. Inst., 1916. Sigma Nu.

Hunt, Thomas Forsyth, prof. agr. and dean Coll. Agr., Univ. Calif., Berkeley, Calif.

Asst. to Ill. state ent., 1885-6; asst. agr., Univ. Ill., 1886-8; asst. agrst., Ill. Exp. Sta., 1888-91; prof. agr., Penn. State Coll., 1891-2; prof. agr., Ohio State Univ., 1892-1903; dean Coll. Agr., 1896-1903; prof. agron., Cornell Univ., 1903-7; dean Sch. Agr. and dir. Exp. Sta., Penn. State Coll., 1907-12; present position, 1912–. Pres. Soc. Promotion Agrl. Sci., 1907-9. *Auth.:* (with Morrow) Soils and Crops of the Farm, 1895; History of Agriculture and Rural Economics, 1899; The Cereals in America, 1904; How to Choose a Farm, 1906; The Forage and Fiber Crops in America, 1907; The Young Farmer, 1913; (with Burkett) Soils and Crops, 1913; (with Burkett) Farm Animals, 1914. (Farm manag., field crops).—*b.* Ridott, Ill., Jan. 1, 1862; *s.* Thos. Marshall and Mary A. (Kirk) H.; *m.* Juniata G.

Campbell, Aug. 22, 1888; *c.* Theodore Morrow, Marion Juliet. B.Sc., Univ. Ill., 1884; M.Sc., 1892; D.Agr., 1903; D.Sc., Mich. Agr. Coll., 1907. Sigma Xi.

Hunter, Charles Axtell, assoc. prof. bact. and bact. Exp. Sta., Penn. State Coll., State College, Pa.
Asst. agrl. bact., Univ. Wis., 1915-6; instr. bot. and bact., Univ. Fla., 1916-7; asst. prof. bact., Penn. State Coll., 1917-9; assoc. prof., 1919–.—*b.* Blue Rapids, Kans., July 30, 1893; *s.* Wm. and Carrie L. (Axtell) H.; reared in town; *m.* Bess May Hildreth, Aug. 8, 1916; *c.* Ruth Elizabeth. B.S., Kans. State Agr. Coll., 1915; M.S., Univ. Wis., 1916. Sigma Alpha Epsilon.

Hunter, Edwin M., co. agrl. agt., Purcellville, Va.
Princ. high-sch., Galax, Va., 1910; Dublin Inst., 1911; 9th Congressional Distr. Agr. High-Sch., 1912-3; agt. Loudoun Co., 1914–.—*b.* Alexander, N. C., Apr. 22, 1884; *s.* J. B. and Alice Douglas (Wild) H.; reared on farm; *m.* Lolo Sarah Filson, Sept. 6, 1910; *c.* Clara Alice, Elizabeth Wild, Edwin M. Jr. A.B., Emory & Henry Coll., 1910; grad. student Geo. Peabody Coll. for Teachers, 1914.

Hunter, John Marshall, supt. Gobel Farms, Annandale, N. J.
Instr. an. husb. and asst. Exp. Sta., Rutgers Coll., 1915-7; asst. prof. and an. husb. Exp. Sta., 1917-9; present position, 1919–. Sec.-treas. State Hog Growers Assoc.; supt. horse, hog and sheep depts., Trenton Interstate Fair, 1919-20.—*b.* Red Oak, Ia., Nov. 8, 1890; *s.* John M. and Emma (Tobin) H.; reared on farm; *m.* Dorothy M. Hope, Aug. 30, 1919. B.S., Ia. State Coll. Lambda Tau Alpha.

Hunter, Roy Deneale, farmer, W. Claremont, N. H.
General sales manag., Sullivan Machinery Co., 8 yrs. Trustee N. H. Coll., 1916–. Pres. Farm Bur.; ex-pres. State Fed. Farm Burs.; pres. Dairymens Assoc.; pres. Co. Jersey Cattle Club. Chm. live-stock com. Food Adminis. Traveled in Europe, Asia, Australia, S. Africa, Mex. (Jersey cattle).—*b.* Carson City, Nev., Apr. 2, 1873; *s.* Harrison and Mary (Patten) H.; reared in town; *m.* Katherina D. Upham, June 1, 1911; *c.* Duncan Upham, Deneale. Student Univ. Wis., Mass. Agr. Coll.

Hunter, Walter David, ent., Bur. Ent., U. S. Dept. Agr., Washington, D. C.
Asst. ent., Univ. Neb., 1895-1900; Ia. Exp. Sta., 1901; in chg. boll weevil invests., U. S. Bur. Ent., 1902-5; chg. southern field crop insect invests., 1915–. Fellow A. A. A. S.; pres. Amer. Ent. Assoc.—*b.* Lincoln, Neb., Dec. 14, 1875; *s.* J. A. and Mary Abbey (Crooker) H.; reared in city; *m.* Mary P. Smith, Mar. 22, 1905; *c.* Ethel May. A.B., Univ. Neb., 1895; M.A., 1897; LL.D., Tulane Univ., 1912.

Hunter, William George, instr. agr., high-sch., Boulder, Mont.
Instr. rural high-schs., 1914-7; instr. agr., Granite Co. High-Sch., 1917-8; Jefferson Co. High-Sch., 1918–. Sec. Farmers Coop. Union.—*b.* Montello, Wis., Sept. 15, 1887; *s.* Duncon and Jennie H.; reared on ranch; *m.* Laura L. Stratton; *c.* Roberta B., Walter W., Ermerth M. Grad. Wash. State Coll., 1912.

Hunziker, Otto Frederick, manag. manufacturing dept. and dir. research lab., Blue Valley Creamery Co., Chicago, Ill.
Asst. path. bact. and chg. dairy bact., Cornell Univ., 1901-2; milk expert, Scranton Condensed Milk Co., Ellicottville and Springville, N. Y., 1902-5; instr. dairying, Purdue Univ., 1905-6; assoc. prof., 1906-7; prof. and chief dairy dept., 1907-17; present position, 1917–. Pres. Amer. Assoc. Dairy Sci., 1910-2; mem. exec. com., Ind. State Dairy Assoc., Ind. Manufacturers of Dairy Products; dir. Nat. Dairy Council. Adv. to condensed milk factories in Canada, Australia, New Zealand, Germany, Japan, 1909-17. Del. from Amer. Assoc. Dairy Sci. and U. S. Dept. Agr. to Intern. Dairy Congress, Stockholm, Sweden, 1911. *Auth.:* Manufacture of Condensed Milk and Milk Powder, 1914, rev. ed., 1918 and 1920; The Butter Industry, 1920. *Assoc. ed.,* Dairy License Journal.—*b.* Zurich, Switzerland, Dec. 25, 1873 (naturalized 1904); *s.* Otto Carl and Louise (Pupikofer) H.; reared in country; *m.* Florence Belle Burne, 1905; *c.* Thelma Belle,

Florence Louise, Karl Otto, Walter Burne, Isabelle Mary, Otto F. Jr. Grad. Agr. Coll., Zurich, 1892; Bryant and Stratton Business Coll., Providence, R. I., 1896; B.S., Cornell Univ., 1900; M.S., 1901. Sigma Xi; Alpha Zeta; Gamma Alpha.

Hurd, Archibald Clifton, co. sec. Y. M. C. A., White River Junction, Vt.
Sec. and manag. first New England Farm Bur.; dir. state agrl. exhibits; dir. state voc. expos. Conducted first county wide rural sch. survey, 1910; founded Camp Billings, 1906 and Windsor Co., Vt., Annual Play Festival, 1906. —*b.* Pawling, N. Y., July 20, 1881; *s.* John and Mittie A. (Waite) H.; reared in town and country; *m.* Cornelia J. Minkler, Sept. 4, 1905; *c.* Allan Campbell.

Hurd, Calvin J., co. agrl. agt., Roseburg, Ore.
Mem. Ore. Legislature, 1913.—*b.* Floyd Co., Va., Mar. 23, 1865; *s.* Samuel and Mary E. (Kronk) H.; reared on farm; *m.* Eva R. Powell, May 12, 1888.

Hurd, Julia Louise, asst. prof. home econ. and state superv. home econ., Univ. Vt., Burlington, Vt.
Superv. practice teaching in home econ., Ia. State Teach. Coll., 1913-6; present position, 1917-.—*b.* Cedar Falls, Ia., May 14, 1890; *s.* Wm. Henry and Emma (Curtiss) H.; reared in town. A.B., Ia. State Teach. Coll., 1912; M.A., Columbia Univ., 1917.

Hurd, William Daniel, western dir. Soil Improvement Com., Nat. Fertilizer Assoc., 11 S. La Salle St., Chicago, Ill.
Teach. math., high-sch., Lansing, Mich., 1899-1901; prof. hort., Sch. Agr. and Hort., Briarcliff Manor, N. Y., 1901-3; prof. agr., Univ. Me., 1903-6; dean Coll. Agr., 1906-9; dir. ext., Mass. Agr. Coll., 1909-19; present position, 1919-. Fellow A. A. A. S. Pres. N. E. Fed. Rural Progress; pres. ext. sect. Amer. Assoc. Agrl. Colls. and Exp. Stas. Special asst. to Sec. Agr., 1917-8. (Rural organization, soil fert.).—*b.* De Witt, Mich., Dec. 19, 1875; *s.* Edgar and Elizabeth (Appleton) H.; reared on farm; *m.* Sarah Belle Cooper, Dec. 31, 1902. B.S., Mich. Agr. Coll., 1899; M.Agr., 1908. Alpha Zeta; Phi Kappa Phi; Phi Gamma Delta.

Hurley, Edith Earnheart, home dem. agt., Clayton, N. Mex.
Teach. Okla. public schs., 1908-11; Mansfield Women's Coll., La., 1913-4; superv. home econ. dept., Port Arthur, Tex., 1914-5.—*b.* Anna, Ill.,; *d.* T. and Susan Emily (Griffith) Earnheart; reared in town; *m.* C. M. Hurley, July 27, 1915; *c.* Carolyn Louise. A.B., B.Ped., Methodist Univ. Okla.; B.S., Kans. State Agr. Coll., 1912.

Hurley, John Carlton, prof. dairy husb., Coll. Agr., Syracuse Univ., Syracuse, N. Y.
Asst. in Jordan Cooperative Creamery, Jordan, N. Y., summer 1914; instr. agr., high-sch., Moravia, N. Y., 1914-8; present position, 1918-.—*b.* Macedon, N. Y., June 1, 1887; *s.* Albert Jackson and Nora E. (White) H.; reared on farm; *m.* Gertrude Root Frone, Aug. 18, 1915. Ph.B., Syracuse Univ., 1911; M.S., Mich. Agr. Coll., 1913. Theta Alpha.

Hurley, Joseph M., co. agrl. agt., Hudson Falls, N. Y.
Teach. agr., Franklin Acad., Malone, N. Y., 1915-7; farm bur. asst. in Franklin and St. Lawrence cos., 1917; agt. Washington Co., 1918-. *Ed.*, Washington Co. Farm Bur. News. (Seed potatoes).—*b.* North Creek, N. Y., Oct. 20, 1890; *s.* Daniel and Julia (Collins) H.; reared on farm; *m.* Marguerite Hubbard, June 27, 1917; *c.* Daniel, Ellen Margaret. B.S., Cornell Univ., 1915.

Husmann, George C., pom. in chg. viticultural invests., U. S. Dept. Agr., Washington, D. C.
General foreman, Vina vineyards and winery of Stanford Univ., Vina, Calif., 1887-90. Del. to Prof. Foex Memorial, France, Intern. Viticultural Congress. —*b.* Hermann, Mo., Apr. 27, 1861; *s.* Geo. and Louise C. (Kielmann) H.; reared on farm; *m.* Ellen W. Dorsett, Feb. 1, 1894. B.S.A., Univ. Mo., 1882; M.S.A., 1885.

Hutcheson, John R., dir. ext., Va. Poly. Inst., Blacksburg, Va.
Foreman expl. plats, Va. Poly. Inst., 2 yrs.; princ. 7th Cong. Distr. High-Sch., Middletown, Va., 2 yrs.; princ. Jones Co. Agr. High-Sch., Ellisville,

Miss., 3 yrs.; teach. agr., summer sch., Univ. Va., 3 yrs.; specialist in an. husb., Va. Poly. Inst., 1914-7; asst. dir. ext., 1917-9; dir., 1919-.—*b.* Charlotte C. H., Va., Jan. 13, 1886; *s.* Robt. F. and Mary C. Barksdale) H.; reared on farm; *m.* Eleanor Parrott, Oct. 6, 1917; *c.* Eleanor Barksdale. M.S., Va. Poly. Inst., 1909.

Hutcheson, Thomas Barksdale, prof. agron., Va. Poly. Inst., Blacksburg, Va.

Asst. agron., Va. Exp. Sta., and instr. agron., Va. Poly. Inst., 1909-12; assoc. agron., 1913; assoc. agron., Univ. Minn., 1913-4; present position, 1914-.—*b.* Charlotte C. H., Va., Mar. 23, 1882; *s.* Robt. F. and Mary C. Barksdale) H.; reared on farm; *m.* Rosilie O. Stockard, June 4, 1914; *c.* Rosilie Stockard, Mary Barksdale. B.S., Va. Poly. Inst., 1906; M.S., 1909; M.S.A., Cornell Univ., 1913. Sigma Xi.

Hutchison, Claude Burton, prof. plant-breeding, Cornell Univ., Ithaca, N. Y.

Asst. agron., Univ. Mo., 1909-10; instr., 1910-1; asst. prof., 1911-3; prof., 1913-4; prof. farm crops and chm. dept., 1914-6; present position, 1916-. Sec. Mo. Corn Growers Assoc., 1910-6. Ext. lect. for Mo. State Bd. Agr. Fellow A. A. A. S. Breeding of wheat, corn and flax.—*b.* Chillicothe, Mo., Apr. 9, 1885; *s.* Wm. M. and Adriana Smith H.; reared on farm; *m.* Roxie Ruth Prichard, Dec. 23, 1909; *c.* Helen, Ruth, Elizabeth, Lucille. B.S.A., Univ. Mo., 1909; M.S.A., Cornell Univ., 1913; M.S., Harvard Univ., 1917. Sigma Xi; Gamma Alpha; Alpha Zeta.

Hutchison, Edith B., home dem. agt., New Philadelphia, O.

b. W. Unity, O., Jan. 24, 1893; *d.* Delbert and Ellen (Lawrence) H.; reared on farm. B.Sc., Ohio State Univ., 1916. Phi Upsilon Omicron.

Hutchison, Robert Harris, ent. asst., Bur. Ent., U. S. Dept. Agr., Malvern, Pa.

Teach. bot. and physiol., State Normal Sch., Indiana, Pa., 1909-10; zool. and bot., high-sch., Camden, N. J., 1910-2; Harrison fellow in zool., Univ. Penn., 1912-3. Sanitary ent. and fresh water protozoa.—*b.* Malvern, Pa., Oct. 27, 1888; *s.* Robt. and Elmira (Wells) H.; reared on farm; *m.* Mary A. Whittaker, May 27, 1916; *c.* Robt. Wells. B.A., Lafayette Coll., 1909; M.S., Univ. Penn., 1913.

Hutt, William Nicol, manag. Sandhill Fruit Growers Inc., Pinehurst, N. C.

Asst. to dir. Hort. Soc. in Ont. Dept. of Agr., 1901; prof. hort. and bot., Utah Agr. Coll., 1902-4; prof. hort., Md. Agr. Coll., 1904-6; state hort., N. C., 1906-18. Sec. Md. Hort. Soc., 1902-4; pres. Amer. Pom. Soc., 1915-7; sec. N. C. Hort. Soc., 1906-18; pres. Nat. Nut-Growers Assoc., 1914-6.—*b.* Niagara Falls, Ont., Apr. 26, 1872; naturalized 1915; *s.* Frederick A. and Janet D. (Lawson) H.; reared on farm; *m.* Edith M. Palmer, July 1, 1907. B.S.A., Ont. Agr. Coll. and Toronto Univ., 1898.

Hutton, Campbell Azro, dairy husb. in chg. dairy ext., Univ. Tenn., Knoxville, Tenn.

b. Friendsville, Tenn., July 9, 1888; *s.* J. C. and Lucretia Brickell H.; reared on farm; *m.* Annie Lee White, Aug. 30, 1915; *c.* Frances Caroline. B.S.A., Univ. Tenn., 1913. Alpha Zeta; Phi Kappa Phi.

Hutton, Joseph Gladden, assoc. prof. agron., S. D. State Coll., Brookings, S. D.

Asst. biol., Ind. State Normal Sch., 1898-1900; princ. high-sch., Beardstown, Ill., 1901-3; supt. schs., 1903-8; asst. geol., Univ. Ill., 1908-11; present position, 1911-. Pres. S. D. Acad. Sci., 1917-8.—*b.* Monticello, Ind., Nov. 3, 1873; *s.* Wm. H. and Mary J. Gladden) H.; reared on farm; *m.* Emilie W. Feddersen, June 15, 1904; *c.* Helma Louise, Mary Erne-Jean, Joseph Gladden Jr. B.S., Univ. Chicago, 1908; M.S., Univ. Ill., 1910. Phi Beta Kappa.

Hyde, Clayton Herbert, farmer, Alva, Okla.

Mem. Okla. State Council Defense; mem. State Democratic Campaign Com.; Democratic nominee for Congress, 8th Distr. Okla., 1918.—*b.* De Kalb Co., Ill., July 5, 1868; *s.* Herbert H. and Eliza (Kennedy) H.; reared on farm; *m.* Rusha Messmore, June, 1896; *c.* Birdie, John, Elmer, Chas., Alice. Student Doane Coll., Crete, Neb.

Hyslop, George Robert, prof. farm crops, Ore. Agr. Coll., Corvallis, Ore.

Student asst. agron., Ohio State Univ., 1906-7; grad. asst., 1907-8; instr. agron., Ore, Agr. Coll., 1908-10; asst. prof., 1910-3; assoc. prof. field crops, 1913-6; prof., 1916–.—*b.* Deshler, O., Nov. 17, 1884; *s.* Geo. L. and Julia (Moeschler) H.; reared on farm; *m.* Sue. C. Walcutt, Aug. 10, 1908; *c.* Sue, Julia, Mary, Geo L., Wm. W. B.S., Ohio State Univ., 1907. Delta Theta Sigma; Gamma Sigma Delta.

Hyslop, James Augustus, ent., Bur. Ent., U. S. Dept. Agr., Washington, D. C.

In chg. first gyspy moth eradication work in Conn., 1906; with U. S. Dept. Agr., 1908–; in chg. cereal and forage insect field sta., Hagerstown, Md., 1912-7; chg. ext. work, Bur. Ent., 1917-9. Farm owner, Montgomery Co., Md. (Coleoptera, physico-ent.).—*b.* Chicago, Ill., July 7, 1884; *s.* Chas. Geo. and Mary Agnes (Garvey) H.; reared in village; *m.* Grace Genevra Anderson, 1911; *c.* Chas. Douglas, Jas. Anderson, Ryntha. B.S., Mass. Agr. Coll., 1908; M.S., Wash. State Coll., 1911.

I

Ibsen, Heman Lauritz, asst. prof. in chg. genetics, an. husb. dept., Kans. State Agr. Coll., Manhattan, Kans.

Asst. dept. genetics, Univ. Wis., 1916-7; asst. zool., 1917-9; present position, 1919–. In Chem. Warfare Serv., U. S. Army, 1918-9.—*b.* Chicago, Ill., Sept. 16, 1886; *s.* Oluf A. M. and Gemalia (Ekdahl) I.; reared in city. B.S., Univ. Wis., 1912; M.S., 1913; Ph.D., 1916. Sigma Xi.

Iddings, Edward John, dean of agr. and dir. Exp. Sta., Univ. Ida., Moscow, Ida.

Special agt., Bur. Plant Ind., U. S. Dept. Agr., 1906; asst. to dean of agr., Colo. Agr. Coll., 1907-9; field comnr., Dry-Farming Congress, summer 1909; asst. an. husb., Colo. Agr. Coll., 1909-10; ed. Dry-Farming Congress Bul., summer 1910; princ. Sch. Practical Agr. and asst. an. husb., Univ. Ida., 1910-1; prof. an. husb., 1911-8; vice-dean Coll. Agr., 1911-5; dean, 1915-8; dean of agr. and dir. Exp. Sta., 1918–. Judge live-stock shows; ext. lect. Mem. bd. of dirs. and vice-pres. Northwest Live-Stock Assoc. Mem. adv. bd., State Fair of Ida. Studied live-stock, Great Britain, summer 1907.—*b.* Peru, Ind., Mar. 22, 1879; *s.* John Byron and Mary (Huber) I.; reared on farm; *m.* Maud A. Rowell, June 24, 1908. Student Butler Coll., 1899-1901; B.S. Agr., Colo. Agr. Coll., 1907. Delta Tau Delta.

Ide, Warren Leroy, co. agrl. agt., Bristol Co. Agr. Sch., Segreganset, Mass.

Head farmer, Gardener State Colony, Mass., 5 yrs.—*b.* Dudley, Mass., Sept. 7, 1886; *s.* Monroe Wilson and Jenny (Walker) I.; reared on farm; *m.* Ruth Elizabeth Earle, Feb. 24, 1914; *c.* Virginia Elizabeth. B.S., Mass. Agr. Coll. and Boston Univ., 1909.

Ikeler, Kenneth C., prof. an. husb., chg. live-stock manag., Ia. State Coll., Ames, Ia.

Teaching fellow, Ia. State Coll., 1913-4; beef cattle dem., N. C. Exp. Sta., 1914-5; present position, 1915–. Great Britain, 1917 to import Shorthorn cattle for Carpenter & Goss, Mansfield, O. Capt. Remount Serv., in A. E. F.—*b.* Millville, Pa., Dec. 25, 1889; *s.* Iram Benton and Sarah Elizabeth (Cole) I.; reared on farm. M.E., Pa. Normal Sch., 1909; B.S., Penn. State Coll., 1913; M.S.A., Ia. State Coll., 1914. Alpha Zeta.

Illingworth, James Franklin, prof. ent., Coll. of Hawaii, Honolulu, H. I.

Asst. zool., Pomona Coll., 1897-9; asst. zool., Seaside Lab., Stanford Univ., 1901; head dept. biol., Broadway high-sch., Seattle, 1901-10; present position, 1912–. Employed 1913 by Colonial Sugar Refining Co., Australia, to introduce parasitic insects for sugar in Fiji Isls.; on leave to conduct ent. invests. for Queensland Govt., 1917-20; located at Meringa, near Cairns, N. Queensland. Farmer, Kans., 10 yrs.; fruit ranch, Calif., 5 yrs.—*b.* Lanark, Ill., May 11, 1870; *s.* Jas. and Emeline (Jacobs) I.; reared on farm; *m.* Myrtle E. Seiger, 1903; *c.* Ruth, Lynn, Beth. B.S., Pomona Coll., 1900; M.A., Leland Stanford Univ., 1901; Ph.D., Cornell Univ., 1912. Sigma Xi.

Ince, Joseph Waite, prof. chem. and head dept., R. I. State Coll., Kingston, R. I.

Instr. chem., Brown Univ., 1902-4; Denison Univ., 1904-5; dem. chem., McGill Univ., 1905-8; instr. to prof. agrl. chem., N. D. Agr. Coll., 1908-19; present position, 1919–. *Auth.*: (with W. E. Tottingham) Chemistry of the Farm and Home.—*b.* Providence, R. I., Mar. 26, 1880; *s.* Chas. Evans and Emily Evelyn (Waite) I.; reared in city; *m.* Martha Louise Welch, June 15, 1908; *c.* Kathleen, Barbara, Geo. Welch. A.B., Brown Univ., 1902; A.M., 1904. Phi Kappa Psi.

Ingalls, George Ross, co. agrl. agt., Eau Claire, Wis.

Teach. rural sch., 1905-6; princ. state graded sch., Boyd, Minn., 1906-7; supt. schs., Lac qui Parle Co., Minn., 1907-10; an. husb., Minn. Univ. Farm Sch., Morris, 1910-2; agt. Eau Claire Co., 1912–. Breeder Advanced Register Guernseys, 1915–; originated idea of coop. testing of pure-bred cows for the Advanced Register.—*b.* Fillmore Co., Minn., July 13, 1877; *s.* Philo H. and Martha (Newell) I.; reared on farm; *m.* Lydia M. Waidelich, Apr. 3, 1906; *c.* L. Marie, Gretchen Ione, Gladys Ruth, G. Frank. Ph.B., North Western Coll., Naperville, Ill., 1905.

Ireland, Harry A., agrst. reclamation projects, Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Co. agrl. agt., Caldwell, Ida. Dir. Ida. State Dairy Assoc. Spent 2½ yrs. in Philippines in agrl. work.—*b.* Bronson, Kans., June 23, 1883; *s.* Wm. H. and Maria (McCool) I.; reared on farm; *m.* Myrtle Kahl, May 27, 1911; *c.* Louise Myrtle, Lucile May. B.S., Kans. State Agr. Coll., 1907.

Irish, Henry Clay, superv. sch. gard., Bd. Educ., St. Louis, Mo.

Asst. hort., S. D. State Coll., 1894; hort. asst., Mo. Bot. Gard., 1894-1902; supt., 1903-12; asst. in chg. lands. gard. and flor., Ia. State Coll., 1913-4; present position, 1914–. Mem. Mo. State Bd. Hort., 1912–; pres. Mo. State Hort. Soc., 1916-8.—*b.* Rock Co., Wis., Apr. 22, 1868; *s.* Benj. and Lydia A. (Wood) I.; reared on farm; *m.* Margaret H. Duffey, May 9, 1896; *c.* Marguerite. B.S., S. D. State Coll., 1891; M.S., Ia. State Coll., 1897.

Irwin, John Borland, farmer, and breeder Holstein-Friesian cattle, Sta. F., Minneapolis, Minn.

Dir. Holstein-Friesian Assoc. of Amer.; pres. Minn. Live-Stock Breeders Assoc.; pres. Minn. State Holstein Breeders Assoc.; pres. Twin City Milk Producers Assoc.—*b.* Richfield, Minn., Feb. 16, 1874; *s.* Everett Ford and Martha (Borland) I.; reared on farm; *m.* Bernice Hennings, 1900; *c.* John B. Jr., Everett H. B.S., Univ. Minn., 1898. Delta Upsilon.

Irwin, Robert, farmer, Telstad, Mont.

State sec. Mont. div., Farmers Educ. and Coop. Union, 1916-7. Del. to Nat. Convention of Farmers, Washington, 1918.—*b.* Ont., Canada, June 17, 1857 (naturalized 1890); *s.* Wm. and Mary A. (Wilson) I.; reared on farm and in town; *m.* Sarah Matilda Lithgow, Mar. 6, 1877; *c.* Victoria, Chas., Robt. L., Wilbert, May, Mary, Isabell.

Isaacs, Thomas Ralph, co. agrl. agt., Havana, Ill.

Instr. agr. and physics, Carleton Coll., 1913-4; head agrl. dept., high-sch., Decatur, Ill., 1915-8; co. agrl. agt., Fowler, Ind., 1918-9; present position, 1919–. —*b.* New Douglas, Ill., May 12, 1891; *s.* Thos. Wm. and Almira (Robb) I.; reared on farm; *m.* Nettie E. Delaney, June 23, 1914; *c.* Alta Marie. B.S., McKendree Coll., 1913; B.S.A., Univ. Ill., 1915.

Isaacson, May, sci. asst. sugar plant invests., U. S. Dept. Agr., 962 S. 8th W., Salt Lake City, Utah.

Teach. home econ., high-sch., S. Cache, Utah, 1914-6; present position, 1916–. (Sugar-beet seed-breeding).—*b.* Brigham City, Utah, Jan. 2, 1892; *d.* Carl and Celia (Valentine) I.; reared in town. B.Sc., Utah Agr. Coll., 1914.

Israel, Henry, intern. sec. Y. M. C. A., 347 Madison Ave., New York, N. Y.

Collaborator Rural Div., U. S. Bur. Educ. In War Zone, 1915-6; mem. Rural Comn. in England. *Ed.*, Rural Manhood.—*b.* Philadelphia, Pa., Dec. 23, 1877; *s.* Henry and Mary (Hucke) I.; *m.* Gertrude Wells Hart, June 7, 1905. Student Univ. of N. Y.

Israelsen, Orson Winso, prof. irrig. and drainage, Utah Agr. Coll., Logan, Utah.
Asst. irrig., Univ. Calif., 1913-5; instr. expl. irrig., 1915-6; present position, 1916–. Del. to Intern. Irrig. Congress, Sacramento, 1915; sec. Utah Irrig. and Drainage Congress, 1917–. Mem. com. on irrig., U. S. Food Admins. for Utah, 1918. (Relation of soil properties to irrig. practice).—*b.* Hyrum, Utah, Dec. 25, 1887; *s.* Andrew M. and Bolette (Wilson) I.; reared on farm; *m.* Jennie May Allen, Feb. 24, 1909; *c.* Lettie Ione, Ester Golda, Orson Allen. B.S., Utah Agr. Coll., 1912; M.S., Univ. Calif., 1914. Gamma Sigma Delta.

Iverson, Carroll Arthur, asst. prof. dairying, Ia. State Coll., Ames, Ia.
1st Lieut. Infantry, U. S. Army; served in France, 1918-9.—*b.* Frederick, S. D., Mar. 14, 1893; *s.* Iver H. and Julia (Johnson) I.; reared in town. B.S., S. D. State Coll., 1915; M.S., Ia. State Coll., 1917. Sigma Alpha Epsilon; Alpha Zeta.

Ives, Frederick Walter, prof. agrl. engin., Ohio State Univ., Columbus, O.
Instr. drawing, Univ. Wis., 1909-10; instr. engin. drawing, Ohio State Univ., 1910-4; instr. agrl. engin., 1914-5; asst. prof., 1915-8; prof., 1918–. (Farm structures).—*b.* Rubicon, Wis., Nov. 20, 1884; *s.* Geo. W. Washington and Fannie Elizabeth (Smith) I.; reared on farm; *m.* Mary Alberta Parks, June 9, 1911; *c.* Frederick David, Mary Winifred. B.S., Univ. Wis., 1909.

J

Jackson, Bush McLauchlin, co. agrl. agt., Monroe, La.
Manag. Ouachita Parish Coop. Shipping Assoc.—*b.* Hagood, S. C., Jan. 1, 1894; *s.* Jas. Laval and Mary (Creighton) J.; reared on farm; *m.* Retta Thornton Locke, Aug. 20, 1916. B.S.A., Clemson Agr. Coll., 1914.

Jackson, Charles Arthur, co. agrl. agt., Greencastle, Ind.
Teach. agr., N. Y. State Sch. Agr., Farmingdale, L. I., 1917. (An. husb. and agron.).—*b.* S. Bend, Ind., July 9, 1895; *s.* Chas. S. and Minnie May (Kline) J.; reared on farm; *m.* Emma May Jackson, Dec. 15, 1917; *c.* Chas. A. Jr. B.S.A., Univ. Wis., 1916.

Jackson, Cicero Floyd, prof. zool. and ent., N. H. Coll., Durham, N. H.
Asst. zool., Ohio State Univ., 1907-8; asst. prof. zool. and ent., N. H. A.&M. Coll., 1908-10; prof., 1910–.—*b.* Wolcott, Ind., Sept. 30, 1882; *s.* Wm. F. and Yensi Evangeline (Thomas) J.; reared on farm; *m.* Alma Irene Drayer, June 20, 1905; *c.* Herbert Wm. A.B., DePauw Univ., 1905; M.A., Ohio State Univ., 1907. Sigma Xi.

Jackson, Jesse Wilburn, supt. Tex. Substa. No. 9, Pecos, Tex.
b. Kosse, Tex., Mar. 1, 1885; *s.* Perry and Ella (Joyce) J.; reared on farm; *m.* H. Adele Lloyd, Jan. 1, 1918. B.S., Tex. A.&M. Coll., 1913.

Jacobs, Peter, minister, Randolph, Ia.
Mem. Epworth League Inst. faculty, 11 yrs.; lect. at insts. *Auth.:* Recreation and Culture, 1914. (Rural church).—*b.* Fremont, Neb., Apr. 24, 1875; *s.* Uede C. and Christine Eliza (Ehmpke) J.; reared in town and on farm; *m.* Ednah Lathrop, June 24, 1903; *c.* Maurine, Frieda, Uede. Grad. Garrett Biblical Inst., 1913.

Jacobson, Carl Alfred, research asst., Johns Hopkins Univ., Baltimore, Md.
Instr. chem., York City high-sch., 1904-7; fellow and research chem., Rockefeller Inst. for Med. Research, N. Y., 1908-9; chief chem., Nev. Exp. Sta. and prof. agrl. chem., 1909-18. Fellow A. A. A. S. (Chem. of alfalfa).—*b.* Grantsburg, Wis., Jan. 25, 1876; *s.* Carl John and Anna Britta (Asp) J.; reared on farm; *m.* Mary Edna Metzger, June 21, 1906; *c.* Carl Metzger, John David. B.S., Carleton Coll., Northfield, Minn., 1903; M.S., 1907; Ph.D., Johns Hopkins Univ., 1908; studied Cracow, Austria; Geneva, Switzerland; Upsala, Sweden; Halle, Germany, 1911-3. Phi Kappa Phi.

Jacoby, Freeman Steel, prof. poultry husb., Ohio State Univ., Columbus, O.
Instr. poultry husb., Kans. State Agr. Coll., 1910-1; instr., Ohio State Univ., 1911-2; asst. prof., 1912-8; prof., 1918–; special invest., Food Research Lab.,

summer, 1913; W. Va. Exp. Sta., summer, 1914. Chg. O. Poultry exhibit, Panama-Pacific Expos., 1915.—*b.* Bethlehem, Pa., Jan. 10, 1889; *s.* H. S. and Laura L. (Saylor) J.; reared in town and country; *m.* Ruth McManamy, June 1, 1913. B.S.A., Cornell Univ., 1910. Sigma Phi Sigma; Alpha Zeta.

Jaffa, Myer Edward, prof. nutr., Univ. Calif., Berkeley, Calif.

Asst. chem., 10th U. S. Census, 1879-80; asst. agrl. dept., Univ. Calif., 1880-1; asst. chem., Northern Transcontinental Survey, 1881-3; 1st asst. and chem., dept. viticulture, Univ. Calif., 1883-9; 1st asst. chem. chg. agrl. chem., 1889-93; instr. agr., 1893-6; asst. prof. agr. chg. lab. of agrl. chem., 1896–; asst. prof. nutr., 1906; prof., 1908–; special agt. and food expert, U. S. Dept. Agr., 1900; dir. State Food and Drug Lab., 1908-15; consulting nutr. expert, Calif. State Bd. of Health, 1915. Del. to Fifth Intern. Congress for Applied Chem., Berlin, 1903.—*b.* Sydney, Australia, Oct. 6, 1857 (naturalized 1882); *s.* Henry S. and Rebecca (Marks) J.; reared in city; *m.* Adele R. Solomons, Mar. 21, 1895; *c.* Edward Moss, Aileen Raby. Ph.B., Univ. Calif., 1877; M.S., 1896. Sigma Xi; Alpha Zeta.

Jager, Francis, prof. apiculture, Univ. Minn., University Farm, St. Paul, Minn.

Beekeeper, Minneapolis, 1898-1908; Lake Minnetonka, 1908-16; present position, 1913–. Pres. Nat. Beekeepers Assoc.; dir. Tri State Honey Exchange. Traveled in Europe. Major and chief Red Cross expedition to Serbia, 1918–. —*b.* Austria, Apr. 2, 1869 (naturalized 1889); *s.* Andrew and Catherine (Primositch) J; reared on farm.

Jagger, Ivan Claude, plant path., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Asst. prof. plant path., Univ. Rochester and Cornell Univ., 1914-8; plant path., Off. Cotton, Truck and Forage Crop Disease Invests., 1918–.—*b.* E. Palmyra, N. Y., Aug. 12, 1889; *s.* Claude N. and Alvinette (Andrew) J.; reared on farm. B.S.A., Cornell Univ., 1911; M.S., Univ. Wis., 1913. Sigma Xi; Alpha Chi Rho.

James, John Ambrose, assoc. prof. agrl. educ. and asst. dean Coll. Agr., Univ. Wis., Madison, Wis.

Teach. rural and graded schs., and princ. high-sch., 1905-10; supt. Racine Co. Sch. Agr., Rochester, Wis., 1912-4; present position, 1914–.—*b.* Livingstone, Wis., Apr. 16, 1884; *s.* Thos. D. and Elizabeth A. (Thomas) J.; reared in small town and on farm; *m.* Mary Ventura Matts, June 18, 1913; *c.* Katherine Ventura, Richard Duncan. B.S.A., Univ. Wis., 1912; grad. work Columbia Univ. and Univ. Wis. Alpha Zeta.

James, McNeal Cole, prof. agrl. educ., Univ. Ky., Lexington, Ky.

Teach. country sch., Putnam and La Salle Co., Ill., 1899-1906; princ. John Swaney High-Sch., Putnam Co., Ill., 1906-8; teach. agr. summer sch., Oxford, O., 1909; head. dept. agr., State Normal Sch., Valley City, N. D., 1909-16; agrl. agt. Barnes Co., N. D., 1916-8; present position, 1918–.—*b.* Christine, O., Aug. 27, 1877; *s.* Jerry A. and Lucinda (Cole) J.; reared on farm; *m.* Eva Ratekin, Aug. 18, 1909; 2d, Emma Ellingson, Aug. 17, 1916; *c.* Margaret Gertrude, Joseph Ratekin, Alice Winifred, Richard Ellingson. Grad. Ill. State Normal Univ., 1903; B.S.A., A.B., Univ. Ill., 1909. Sigma Xi; Alpha Zeta.

James, William Knowles, farmer, R. R. No. 3, St. Joseph, Mo.

Circuit judge, St. Joseph; rep. from Andrew Co. to Mo. Legislature, 1917-8. Chm. Andrew Co. Farm Bur.; vice-pres. Mo. Farm Bur. Fed.; dir. from Mo., Amer. Farm Bur. Fed.; bd. governors, Intern. Farm Congress; pres. Bartlett Agrl. and Ind. Sch., Dalton, Mo.—*b.* Sussex Co., Del., Aug. 20, 1852; *s.* Urias Thos. and Eliza Jane (Knowles) J.; reared on farm; *m.* Mary Tootle, Oct. 31, 1883; *c.* Ellen Tootle. A.B., Yale Univ., 1878.

Jamieson, Paul C., co. agrl. agt., Marshall, Mich.

Instr. agr., high-sch., Albion, Mich. —*b.* Wayne, Mich., Feb. 26, 1896; *s.* Geo. W. and Rose (Temple) J.; reared on farm; *m.* Cecile A. Phelps, Jan. 1917; *c.* Eleanor Rose, Paul Clark. B.Sc., Mich. Agr. Coll., 1918.

Jamison, Albert Woodward, asst. supt. agrl. ext., Univ. Ill., Urbana, Ill.

Lab. asst., Princeton Univ., 1897-9; farmer, 1900-2; teach. high-sch., Peoria, Ill., 1906-9; instr., Bradley Poly. Inst., Peoria, 1909-11; asst. prof. and asst. dean, 1911-2; asst. prof. and dean, 1912-3; assoc. in agrl. ext., Univ. Ill., 1913-5; asst. prof., 1915–. Asst. chem., Ill. Sugar Ref. Co., 1899-1900.—*b.* Peoria, Ill., May 31, 1874; *s.* Chas. Albert and Mary Catherine (Woodward) J.; reared in city; *m.* Edith Virginia Bash, Nov. 10, 1904; *c.* Daniel Bash, Edith Virginia. B.S., Princeton Univ., 1897; M.S., 1899.

Jamison, Neal C., co. agrl. agt., Hillsboro, Ore.

Field agt. dairying, U. S. Dairy Div. and Wash. State Coll., 1916-7.—*b.* Pecos, Tex., Dec. 13, 1890; *s.* N. D. and Isa I. (Winans) J.; reared on farm. B.S.A., Ore. Agr. Coll., 1914.

Jamison, Orville Alvin, assoc. prof. dairying, Mass. Agr. Coll., Amherst, Mass.

Instr. dairying, Mich. Agr. Coll., 1912-3; instr. an. ind., Univ. Me., 1913-5; present position, 1915–; acting head dept., 1918-9.—*b.* Newark, O., June 2, 1889; *s.* Wm. A. and Hannah L. (Swope) J.; reared in city; *m.* Gladys F. Schenck, Aug. 20, 1913; *c.* Dorothea Marie. B.S., Ohio State Univ., 1912; M.S., Univ. Me., 1916.

Jaquish, John J., co. agrl. agt., Tunkhannock, Pa.

b. Mansfield, Pa., Sept. 27, 1890; *s.* Elvin Welcome and Martha (Preston) J.; reared on farm; *m.* Mabel Elaine Robbins, July 14, 1918. B.S., Penn. State Coll., 1915.

Jardine, James Tertius, dir. Ore. Exp. Sta., Corvallis, Ore.

Instr. English, Utah Agr. Coll., 1905-7; special agt. in range and range livestock manag., U. S. For. Serv., 1907-10; insp. of grazing, in chg. range invests. and surveys, 1910-20; present position, 1920–; special lect., Yale For. Sch., 1915-7. Owner dry farm in Mont. and Ore. and irrig. farm in Colo.—*b.* Cherry Creek, Ida., Nov. 28, 1881; *s.* Wm. and Rebecca (Dudley) J.; reared on farm. B.S.C.E., Utah Agr. Coll., 1905; grad. student Univ. Chicago, 1905-6.

Jardine, William M., pres. Kans. State Agr. Coll., Manhattan, Kans.

Asst., dept. agron., Utah Agr. Coll., 1904; instr., 1905; prof., 1905-6; asst. U. S. cerealist in chg. dry-land cereal invest., U. S. Dept. Agr., 1907-10; agron., Kans. State Agr. Coll. and Exp. Sta., 1910-3; acting dean and dir., Jan.-July, 1913; dean and dir., 1913-8; pres., 1918–. Lect., Grad. Sch. Agr., Mich. Agr. Coll., 1912. Manag. Utah Arid Farming Co., 1905; dir. Northern Pure Seed Co., 1908-15. Fellow A. A. A. S. Pres. Intern. Dry-Farming Congress and Soil Products Expos., 1915-6; pres. Amer. Soc. Agron., 1916-7; vice-chm. Kans. State Council of Defense. (Agron.).—*b.* Oneida Co., Ida., Jan. 16, 1879; *s.* Wm. and Rebecca (Dudley) J.; reared on farm and cattle ranch; *m.* Effie Nebeker, Sept. 6, 1905; *c.* Wm. Nebeker, Marian, Ruth. B.S.A., Utah Agr. Coll., 1904; LL.D., Campbell Coll., 1916. Beta Theta Pi; Alpha Zeta; Phi Kappa Phi.

Jarnagin, Milton Preston, prof. an. husb., Univ. Ga., Athens, Ga.

Instr. an. husb., Va. Poly. Inst., 1905-7; present position, 1907–. State leader in live-stock ext. for Ga. Sec. Ga. Dairy and Live-Stock Assoc., 1910–. Pres. Glenmore Stock Farm, Jefferson City, Tenn.—*b.* Farmville, Va., Sept. 17, 1881; *s.* Milton P. and Agnes (Watkins) J.; reared on farm; *m.* Dorothy Greve, Sept. 16, 1908; *c.* Milton P., Janet Stirling, Agnes Watkins. B.S.A., Ia. State Coll., 1905. Sigma Alpha Epsilon.

Jarvis, Chester Deacon, specialist in agrl. educ., U. S. Bur. Educ., Washington, D. C.

Div. supt., Intern. Correspondence Schs., Montreal, Que., 1899-1904; hort., Storrs Exp. Sta., 1906-13; dir. ext. serv., Conn. Agr. Coll., 1913-5; present position, 1915–. *Joint auth.*: Trees in Winter, 1912.—*b.* London, Ont., Mar. 29, 1876 (naturalized 1917); *s.* Lyman Gage and Lila (Deacon) J.; reared on farm; *m.* Marion Smith, Oct. 3, 1901. B.S.A., Ont. Agr. Coll., 1899; Ph.D., Cornell Univ., 1909. Sigma Xi.

Jay, Russell David, co. agrl. agt., Carrollton, Mo.

Farm operator, Clinton Co., O., 1906-12; asst. field agt., Ohio Exp. Sta., 1912-

5; co. agt., 1916–. (Hort., farm manag.). —*b.* New Burlington, O., Mar. 23, 1883; *s.* Jas. and Elida (Coffin) J.; reared on farm; *m.* Mary Ethel Greene, Dec. 24, 1906; *c.* Miriam, Wilbur. B.S., Wilmington Coll., O., 1906; student Univ. Mo., 1915-6; Univ. Wis., summer 1915.

Jayne, Stephen Oscar, agrst., Off. Farm Manag., 406 Federal Bldg., Spokane, Wash.
Conducted irrig. invests., U. S. Dept. Agr., 9 yrs.; present position, 1915–. —*b.* Wyoming Co., Pa., Nov. 24, 1878; *s.* Wm. H. and Augusta P. (Russell) J.; reared in village and on farm; *m.* Ethel Cornelius, Apr. 11, 1905; *c.* Stephen Cornelius, Dorothy. B.S., Wash. State Coll., 1904; C.E., 1914.

Jeffers, Henry William, pres. Walker Gordon Laboratory Co., Plainsboro, N. J.
Mem. N. J. State Bd. Agr.; mem. adv. com., U. S. Food Adminis. and U. S. Dept. Agr. Studied agrl. conditions in Europe, 1913.—*b.* Kingsley, Pa., Jan. 4, 1871; *s.* Watson and Betsey M. (Oakley) J.; reared on farm; *m.* Anna C. Adams, July 14, 1898; *c.* Emily A., Henry W., Louise E. B.S.A., Cornell Univ., 1898. Kappa Sigma.

Jefferson, Lorian Pamelia, asst. prof. agrl. econ., Mass. Agr. Coll., Amherst, Mass.
Research sec., Mass. Agr. Coll., 1912-7; asst. prof. rural social sci., 1917-20; present position, 1920–. Mem. exec. com., New England Branch, Women's Nat. Farm and Garden Assoc.—*b.* Monroe Center, Wis., Oct. 14, 1871; *d.* Jas. and Lorian (Hinkley) J.; reared in town. B.L., Lawrence Coll., Appleton, Wis., 1893; M.A., Univ. Wis., 1907. Delta Gamma Phi.

Jeffery, Joseph A., land comnr., Duluth South Shore and Atlantic Ry., Marquette, Mich.
Asst. prof. agr., N. D. Agr. Coll., 1896-7; asst. prof. soil physics, Univ. Wis., 1897-9; asst. prof. agr., Mich. Agr. Coll., 1899-1902; prof. soils and soil physics, 1902-13; soil physicist, Mich. Exp. Sta., 1908-13; present position, 1913–. *Auth.:* Text-book of Land Drainage, 1916.—*b.* Cornwall, Pa., Sept. 17, 1859; *s.* John and Mary (Davis) J.; reared on farm; *m.* Lucy A. Smith, June 30, 1887; *c.* Alice E., Raymond L. B.S.A., Univ. Wis., 1896. Alpha Zeta.

Jeffress, Florence, home dem. agt., Wilmington, N. C.
b. S. Boston, Va., May 2, 1892; *d.* C. J. and Maria Love (Osborne) J.; reared on farm. B.S., N. C. Coll. for Women, 1913.

Jeffries, Ralph Rodolf, co. agrl. agt., Canon City, Colo.
Student asst., Ohio State Univ., 1912; specialist hort. ext., W. Va. Univ., 1913-6; co. agt., 1916–.—*b.* Denver, Colo., Sept. 15, 1885; *s.* Warwick Miller and Loris Cordelia (Rodolf) J.; reared in city; *m.* Idalie Peter, Dec. 23, 1913. B.S., Colo. Agr. Coll., 1910. Alpha Zeta.

Jehle, Robert Andrew, ext. path., N. C. Exp. Sta., Raleigh, N. C.
Lab. asst. plant path., Univ. Minn., 1909-10; prof. sci. and agr., high-sch., Wheaton, Minn., 1910-1; asst. plant path., Kans. State Agr. Coll., 1912-3; instr., Cornell Univ., 1913-4; asst. plant path., Cuba Exp. Sta., 1914-5; asst. plant path., Fla. State Plant Bd., 1915-7; present position, 1917–. (Brown-rot of orchard fruits).—*b.* St. Paul, Minn., Jan. 30, 1882; *s.* John and Rose (Denzer) J.; reared in city and on farm; *m.* Effie V. Crum, Dec. 28, 1912; *c.* Ruth Amanda, John Robt. B.S.A., Univ. Minn., 1905; M.S.A., 1910; Ph.D., Cornell Univ., 1914. Sigma Xi.

Jenkins, Charles Francis, ed. Farm Journal, 232 S. 7th St., Philadelphia, Pa.
Pres. Pa. Chautauqua Assoc.; treas. Amer. Friends Serv. Com.; pres., Buck Hill Falls Co.; mem. Bd. Managers, Swarthmore Coll. *Auth.:* Quaker Poems, A Collection of Verse Relating to the Society of Friends, 1893; Guide Book to Historic Germantown, 1902; Washington in Germantown, 1905; Jefferson's Germantown Letters, 1906; Lafayette's Visit to Germantown, 1911.—*b.* Norristown, Pa., Dec. 17, 1865; *s.* Howard M. and Mary Anna (Atkinson) J.; *m.* Maria G. Cope, Feb. 12, 1890.

Jenkins, Edward G., state boys' club agt., Md. State Coll., College Park, Md.
Chief sect. training camps, training farms and supply camps, U. S. Boys

Working Reserve, Dept. Labor and ed. Boy Power.—*b.* Prompton, Pa., June 18, 1873; reared on farm; *m.* Bertha L. Clark, 1902; *c.* Stanleigh E., Eben C.

Jenkins, Edward Hopkins, dir. Conn. Agr. Exp. Sta., New Haven, Conn.
Chem., Conn. Exp. Sta., 1877-1900; dir., 1900–; treas., 1901–. Chm. State Sewerage Comn., 4 yrs. Fellow A. A. A. S.—*b.* Falmouth, Mass., May 31, 1850; *s.* John and Chloe (Thompson) J.; reared on farm; *m.* Elizabeth E. Foote, June 16, 1885. B.A., Yale Univ., 1872; Ph.D., 1879; studied Univ. Leipzig and For. Sch., Tharandt, Saxony. Psi Upsilon.

Jenkins, Maude Emi, home dem. agt., Pekin, Ill.
Instr. household econ., high-sch., Keene, N. H., 1915-9; home dem. agt. Tazewell Co., Ill., 1919–. Farm manag., Breesport, N. Y., 1909-11.—*b* Breesport, N. Y., Nov. 9, 1883; *d.* E. S. and Emi (Kinne) J.; reared on farm. B.S., Simmons Coll., 1915.

Jenks, Albert Roscoe, co. hort. agt., Newtonville, Mass.
Superv. correspondence courses, Mass. Agr. Coll., 1911-2; asst. supt. Turner Hill Fruit Farm, Ipswich, Mass., 1912-3; co. hort. agt., Hampden Co., 1913-8; Middlesex Co., 1918–. First vice-pres. Mass. Fruit Growers Assoc. (Pom.).—*b.* Palmer, Mass., Nov. 13, 1889; *s.* Porter Thos. and Bessie (Graves) J.; reared on farm; *m.* Mabel Geer, Sept. 25, 1912; *c.* Porter Geer, Barbara Ruth. B.S., Mass. Agr. Coll., 1911. Alpha Gamma Rho.

Jenks, Floyd B., prof. agrl. educ., Univ. Vt., Burlington, Vt.
Manag. ranch, Kearney, Neb., 1899-1900; manag. dairy farm, Evansville, Ind., 1901; general farmer and teach. rural schs., Vermillion Co., Ind., 1901-4; teach. biol. and agr., Goshen, Ind., 1904-8; instr. agrl. educ., Mass. Agr. Coll., 1908-9; asst. prof., 1909-11; specialist in agrl. educ., U. S. Bur. Educ., 1911-3; present position, 1913–.—*b.* Toronto, Ind., July 7, 1876; *s.* Stephen and Mary Elizabeth (James) J.; reared on farm; *m.* Lucile Major, 1909; *c.* Major B., Robt. Stephen, David Wilson, Marjorie, Wm. Lee, Paul Calvin. B.S.A., Purdue Univ., 1898.

Jennison, Harry Milliken, asst. prof. bot. and bact., ext. bot., Mont. State Coll., Bozeman, Mont.
Instr. bot., Mass. Agr. Coll., 1908-10; Wabash Coll., 1910-1; instr. bot. and bact., Mont. State Coll., 1911-3; asst. prof., 1913–. (Plant path.).—*b.* Worcester, Mass., June 24, 1885; *s.* Hobart N. and Etta (Milliken) J.; reared on farm; *m.* Alice Laura Washburn, Aug. 8, 1912; *c.* John Robt., Geo. Henry, Dorothy Etta. B.S., Mass Agr. Coll., 1908; M.A., Wabash Coll., 1911; grad. student, Washington Univ., 1915-7. Sigma Xi.

Jensen, Katherine, prof. home econ., Univ. Ida., Moscow, Ida.
Instr. home econ., Normal Univ., Emporia, Kans., summer 1912; N. D. Agr. Coll., 1912-4; head home econ. ext., Mont. State Coll., 1914-6; head home econ. dept., N. D. Agr. Coll., 1916-9; present position, 1920–.—*b.* Buffalo, N. D., Mar. 29, 1885; *d.* Andrew and Engeborg (Schmidt) J.; reared on farm. B.S., N. D. Agr. Coll., 1904; M.S., Univ. Ill., 1912.

Jensen, Lewis N., asst. in dry land agr., U. S. Dept. Agr., Amarillo, Tex.
b. Walnut, Ia., Oct. 25, 1880; *s.* Soren P. and Lena (Hansen) J.; reared on farm; *m.* Marguerite I. Rutledge, Mar. 4, 1909. B.S., S. D. State Coll., 1905; student Univ. Neb., 1906-7.

Jesness, Oscar Bernard, specialist in coop. organization, Bur. Markets, U. S. Dept. Agr., Washington, D. C.
Instr. agr., high-sch., Winthrop, Minn., 1912-3; asst., Univ. Minn., 1914-5; present position, 1915–.—*b.* Morris, Minn., Feb. 4, 1889; *s.* O. L. and Bertha (Larson) J.; reared on farm; *m.* Ella E. Freeland, Aug. 9, 1916. B.S.A., Univ. Minn., 1912. Alpha Zeta.

Jesness, Peter Martin, co. agrl. agt., Fairfield, Ida.
Manag. ed., Camas Co. Farm Bur. News. (An. husb.).—*b.* Fosston, Minn., May 4, 1892; *s.* Peter L. and Mary (Larson) J.; reared on farm and in town. Student Univ. Minn., 3½ yrs. Alpha Zeta.

Jeter, Frank Hamilton, agrl. ed., N. C. State Coll., Raleigh, N. C.

Asst. to dir., N. C. Exp. Sta., 1912-3; field man in fert. exp., German Kali Works, Atlanta, Ga., 1913-4; present position, 1914–. Agrl. ed. for Soil Improvement Com., Southern Fertilizer Assoc., 1920–. Vice-pres. Amer. Assoc. of Agrl. Coll. Editors; mem. exec. com., 1918; pres., 1919-20. Sec. N. C. Thrift Comn.—*b.* Santuck, S. C., May 2, 1891; *s.* L. B. and Janie (Hamilton) J.; reared on farm; *m.* Irene A. Albert, June 8, 1914; *c.* Frank H. Jr. B.S.A., Clemson Agr. Coll., 1911. Alpha Gamma Rho.

Jewell, Don Beebe, co. agrl. agt., Grand Rapids, Minn.

Sci. aid, U. S. Dept. Agr., 1901-2; dir. agr., State Normal, Athens, Ga., 1910-1; dir. agr., Sch. Distr. No. 6, Deer River, Minn., 1912-3; agrl. agt., Koochiching Co., Minn., 1913-5; co. supt. schs., 1915-8; agrl. agt., Itasca Co., 1918–. Pres. Minn. Agrl. Men's Assoc., 1912.—*b.* Hastings, Mich., Apr. 6, 1879; *s.* Wm. H. and Roxanna L. (Beebe) J.; reared on farm; *m.* Vida M. Norris, June 10, 1906; *c.* Robt. E., Paul N. B.S., Mich. Agr. Coll., 1901; grad. Mich. State Normal, 1907.

Jimison, Milo B., co. agrl. agt., Sandusky, O.

Asst. chem., Muskingum Coll., 1909-10; asst. dairying, Ohio State Univ., 1917. (Dairying).—*b.* Bowling Green, O., Oct. 16, 1887; *s.* Wesley and Cora (Holcomb) J.; reared on farm; *m.* Rachel Loomis; *c.* Robt., Wm. B.S., Ohio State Univ.

Johnson, Aaron Guy, assoc. prof. plant path., Univ. Wis., and path. Off. Cereal Invests., U. S. Dept. Agr., Madison, Wis.

Asst. systematic bot., Mo. Bot. Gard., St. Louis, 1903-6; asst. bot. and hort., S. D. State Coll., 1906-8; asst. bot., Purdue Exp. Sta., 1908-11; asst., instr., asst. prof., assoc. prof. plant path., Univ. Wis., 1911–; path. Off. Cereal Invests., 1914–. Fellow A. A. A. S.—*b.* Brookings Co., S. D., Sept. 1, 1880; *s.* Gustav and Lovis Albertina (Johnson) J.; reared on farm; *m.* Ruth Marian Westcott, Aug. 30, 1911; *c.* Lewis Rockwell, Marian Westcott. B.S., S. D. State Coll., 1907; M.S., Purdue Univ., 1911; Ph.D., Univ. Wis., 1914. Sigma Xi.

Johnson, Albert Aaron, dir. N. Y. State Inst. of Applied Agr. on L. I., Farmingdale, N. Y.

Prof. agr., N. Ga. Agr. Coll., Dahlonega, 1907-8; princ. Marinette Co. Sch. Agr. and Dom. Sci., Wis., 1908-9; princ. and organizer LaCrosse Co. Sch. Agr. and Dom. Sci., Onalaska, Wis., 1909-12; supt. and organizer Milwaukee Co. Sch. Agr., and Dom. Sci., Wauwatosa, 1912-4; present position, 1914–. Served in Spanish-Amer. War and in Philippine Insurrection, 1898-9.—*b.* Macfarland, Wis., Jan. 1, 1880; *s.* Isaac and Aase (Bakke) J.; reared on farm; *m.* Anne Ellene Glenn, 1909; *c.* Albert Richard, Wm. Glenn. B.S.A., Univ. Wis., 1907. Alpha Tau Omega.

Johnson, Anna McQueston, rural leader, Hadley, Mass.

Teach. grade schs., 1892-6. Chm. Mass. State Grange home econ. com.; trustee Hampshire Co. Farm Bur. and chm. homemaking com.; lect. Hadley Grange; co. food adminis. for Hampshire Co., Mass. Traveled in British Isles. (Home econ.).—*b.* Northampton, Mass., May 23, 1876; *d.* John and Rosetta (McClure) McQueston; reared on farm; *m.* Clifton Johnson, May 25, 1896; *c.* Margaret Burroughs, Arthur Stephen, Roger Chas., Irving McClure, Catherine Reynolds.

Johnson, Chris Peter, co. agrl. agt., Carlton, Minn.

Teach. agr., manual training and athletics, high-sch., Clarissa, Minn., 1915-6; Fulda, 1916-7; Lake Crystal, 1917-8; present position, 1918–. Sec. Carleton Co. Fed. Farm Loan. (Dairying, poultry).—*b.* Chicago, Ill., Apr. 9, 1891; *s.* John and Constance (Christianson) J.; reared on farm; *m.* Jennie Klas, Feb. 7, 1919; *c.* Clinton E. B.S., Mich. Agr. Coll.

Johnson, David Llewellyn, farmer, Berlin, Md.

Del. to Farmers Nat. Congress, 1918, 1919.—*b.* Frederick, Md., July 2, 1893; *s.* John L. and Rebecca K. (Strubble) J.; reared in town; *m.* Hazel Jones, Mar. 3, 1917; *c.* Mary Gordon. B.S.A., Md. State Coll., 1914. Sigma Nu.

Johnson, Edward Carl, dean Coll. Agr. and dir. Exp. Sta., Wash. State Coll., Pullman, Wash.

Student asst. bot., Univ. Minn., 1905-6; instr., 1906-7; asst. plant path., U. S. Dept. Agr., 1907; plant path. in chg. cereal disease work, 1908-12; supt. insts. and dems., Kans. State Agr. Coll., 1912–; dean div. coll. ext., 1915–8; present position, 1919–. Chm. speakers bur., Kans. State Council Defense; mem. Fed. Food Adminis. for Kans. and chm. speakers bur., Kans. Food Adminis. Fellow A. A. A. S. (Farm manag., agrl. econ.).—*b.* Otisco, Minn., Apr. 18, 1880; *s.* August and Josephine (Erikson) J.; reared on farm; *m.* Ruth Daniels, June 28, 1911; *c.* Carola, Josephine Ruth. B.A., Univ. Minn., 1906; M.A., 1907; studied Geo. Washington Univ., 1910-1. Phi Beta Kappa; Sigma Xi; Alpha Zeta; Phi Kappa Phi; Gamma Sigma Delta.

Johnson, Floyd LeRoy, co. agrl. agt., Clinton, Ill.

Farmer and stockman, Boone, Ia., 1912-8; agt. De Witt Co., 1918–. Sec.-treas. De Witt Co. Nat. Farm Loan Assoc.—*b.* Boone, Ia., Dec. 28, 1885; *s.* Theodore and Alma M. (Anderson) J.; reared on farm; *m.* Charlotte L. Hatcher, Nov. 28, 1918. B.S.A., Ia. State Coll., 1912.

Johnson, Harlan Woodbridge, assoc. prof. soils and asst. chief soil chem., Ia. State Coll., Ames, Ia.

Instr. soils and asst. Exp. Sta., 1915-6; asst. prof., 1919; assoc. prof., 1920–. Sergeant Med. Dept., Sanitary Corps, U. S. Army, 1918. (Soil chem. and bact.).—*b.* Sioux City, Ia., Nov. 8, 1891; *s.* Telemachus H. and Nellie B. (Pettibone) J.; reared on farm. B.S., Ia. State Coll., 1914; M.S., 1915; scholarship Univ. Wis., 1917, Univ. Calif., 1917-8. Sigma Xi; Alpha Zeta; Phi Kappa Phi; Phi Lambda Upsilon; Acacia.

Johnson, Harold Fay, co. agrl. agt., Newport, Vt.

Ext. asst. an. and dairy husb., Univ. Vt., 1914-7; agt. Orleans Co., 1917–.—*b.* Brattleboro, Vt., July 11, 1892; *s.* Frank Allyn and Emma Jane (Fay) J.; reared on farm; *m.* Edith Ellen Merrihew, June 11, 1917. B.S., Univ. Vt., 1914. Alpha Zeta.

Johnson, Henry Stanley, distr. agrl. agt., Aiken, S. C.

Capt. Infantry, U. S. Army, served with A. E. F.—*b.* Timmonsville, S. C., Jan. 2, 1890; *s.* Wm. T. and Fannie (Gardner) J.; reared on farm. B.S., Clemson Agr. Coll., 1910; grad. student Yale Univ., 2 yrs.

Johnson, Isaac B., co. agt. leader, S. D. State Coll., Brookings, S. D.

Asst. an. husb., W. Va. Univ., 1913-4; co. agrl. agt., Columbus, Ind., 1914-7; present position, 1917–. *Auth.:* County Agent Handbook.—*b.* Humboldt, Ia., May 30, 1890; *s.* J. C. and Bertha (Anderson) J.; reared on farm; *m.* Emma A. Gamble, June 17, 1914; *c.* Gladys Marguerite, Irwin Bernhard. B.S.A., Ia. State Coll., 1913.

Johnson, James, asst. prof. hort., Univ. Wis., Madison, Wis.

Asst. hort., Univ. Wis., 1909-11; instr., 1911-5; asst. prof., 1915–; collaborator, U. S. Dept. Agr., 1915-7; agt., U. S. Dept. Agr., 1917–.—*b.* Deerfield, Wis., May 11, 1886; *s.* Hans and Karen (Martinsen) J.; reared on farm; *m.* Dorothy E. Perrin, Sept. 16, 1913; *c.* Emily Karen. B.S.A., Univ. Wis., 1909; M.S., 1911; Ph.D., 1918. Sigma Xi.

Johnson, Martin B., co. agrl. agt., Alexander, N. D.

Farmer, Walsh Co., N. D., 1902-7; asst. supt. state dem. farms, 1909-11.—*b.* Gottenburg, Sweden, Jan. 21, 1882 (immigrated 1889); *s.* John Ellis and Nellie (Johnson) J.; reared on farm; *m.* Jessie B. Hansen, June 10, 1915; *c.* Wm. Martin. Grad. farm manag. course, N. D. Agr. Coll., 1909.

Johnson, Oliver Ray, prof. farm manag., Univ. Mo., Columbia, Mo.

Asst. farm manag., Univ. Mo., 1911-2; instr., 1912-3; asst. prof., 1913-4; chm. dept., 1914–; assoc. prof., 1916-9; prof., 1919–. With U. S. Army, 1917-9.—*b.* Raymond, Kans., Nov. 15, 1887; *s.* Oliver Henry and Sarah Matilda (Minor) J.; reared on farm; *m.* Ruth Phillips, 1911; *c.* Oliver Henry, Dorothy Elizabeth. B.S.A., Univ. Mo., 1910; M.A., 1912. Gamma Sigma Delta.

Johnson, Orville M., co. agt. leader, Ohio State Univ., Columbus, O.

Asst. soils ext., Ohio State Univ., 1910-2; prof. farm manag., W. Va. Univ., 1912-7; present position, 1917–. Traveled in Europe, 1911.—*b.* Pana, Ill., Aug. 31, 1882; *s.* Fred S. and Eva L. (Miller) J.; reared on farm. B.S., Ohio State Univ., 1908. Delta Theta Sigma.

Johnson, Paul Allen, co. agrl. agt., Fairmont, Minn.

Instr. agr., high-sch., Harmony, Minn., 1913-7; Tracy, 1917-8; agt. Martin Co., 1918–.—*b.* Cherokee, Ia., Oct. 31, 1889; *s.* Geo. A. and Eliza (Head) J.; reared on farm; *m.* Minnie B. Aug, Nov. 24, 1914; *c.* Geo. Frederick. B.S., Ia. State Coll., 1913. Alpha Zeta.

Johnson, Samuel Arthur, dean of faculty and assoc. prof. zool., Colo. Agr. Coll., Ft. Collins, Colo.

Teach. Cathedral Sch., Pekin, Ill., 1892-3; public schs., Elkhart, Ill., 1893-5; West Side High-Sch., Denver, Colo., 1896-1902; present position, 1902–. *Auth.:* Colorado School Law, 1896.—*b.* Morristown, N. J., Dec. 13, 1866; *s.* Chas. Henry and Abigail Emily (Johnson) J.; reared on farm; *m.* May A. Bice, Jan. 15, 1896; *c.* Alice Mary, Miriam Abigail, Frederick Bice. B.S., Rutgers Coll., 1891; M.S., 1895. Delta Kappa Upsilon; Alpha Zeta.

Johnson, Stephen B., florist, Montrose, Colo.

Asst. hort., N. D. Agr. Coll., 1912-3; asst. prof. hort., Univ. Ariz.—*b.* Louisville, Ky., Jan. 4, 1891; *s.* Wm. Robt. and Salome Jeanne (Shadbourne) J.; reared in city and on farm; *m.* Myrtle I. Lewis, Aug. 26, 1912; *c.* Donald Lewis. B.S., Okla. A. & M. Coll.

Johnson, Thomas Carskadon, dir. Va. Truck Exp. Sta., Norfolk, Va.

Acting prof. hort., Univ. Mo., 1901-2; fellow hort., Cornell Univ., 1902-3; instr. hort. and bot., W. Va. Univ., 1903-6; asst. prof., 1906-7; present position, 1908–. Fellow A. A. A. S. Pres. Amer. Soc. for Hort. Sci., 1917. (Hort., soil fert.).—*b.* Long Reach, W. Va., Jan. 1, 1870; *s.* Daniel D. and Mary M. (Martin) J.; reared on farm; *m.* Laura Boughton, Aug. 28, 1907; *c.* Travis C. B.S.A., W. Va. Univ., 1896; A.M., 1900. Gamma Alpha.

Johnston, Earl Steinford, assoc. plant physiologist, Md. Exp. Sta., College Park, Md.

Instr. sci., Pennington Boys' Sch., N. J., 1913-4; asst. Md. Weather Serv., summer, 1914; asst. Desert Lab., Tucson, Ariz., summer, 1915; research asst. in plant physiology, Johns Hopkins Univ., 1914-7; present position, 1917–. —*b.* Quarryville, Pa., Feb. 5, 1889; *s.* Chas. B. and Anne (Steinford) J.; reared in town; *m.* F. Virginia Andes, Sept. 8, 1917. Ph.B., Dickinson Coll., 1913; A.M., 1914; Ph.D., Johns Hopkins Univ., 1917. Theta Chi; Gamma Alpha.

Johnston, Edward Mervyn, field agt., U. S. Bur. Crop Estimates, 308 Federal Bldg., Houston, Tex.

Tracing clerk, Amer. Express Co., Rochester, N. Y., 1910-1; sci. asst. and supt. Beaumont Coop. Rice Exp. Sta., Beaumont, Tex., 1911-4; in chg. cereal invests., Bellefourche Exp. Sta., Newell, S. D., 1915; plant collector, Seed Lab., Bur. Plant Ind., 1915; superv. advanced registry, an. husb. dept., Univ. Calif., 1915-7; present position, 1917–. —*b.* Caldwell, Kans., Feb. 21, 1885; *s.* Chas. McLean and Anna Calvert (Hamilton) J.; reared on farm; *m.* Gertrude Elsa Haulenbeck, Jan. 17, 1906. B.S., Kans. State Agr. Coll., 1908; B.S.A., Cornell Univ., 1910; M.S., Univ. Calif., 1915.

Johnston, Ralph E., co. agrl. agt., Hot Springs, S. D.

Student asst. agron., S. D. State Coll., 1915-6.—*b.* Mitchell, S. D., June 2, 1891; *s.* E. S. and Nellie (Katherine) J.; reared in town: *m.* Blanche Marie Avery, Sept. 4, 1917. B.S., S. D. State Coll., 1916.

Johnston, Thomas Robert, asst. co. agt. leader, Purdue Univ., W. LaFayette, Ind.

Formerly state ed., Indianapolis Star; city ed. Journal Gazette, Ft. Wayne, Ind.—*b.* Bluffton, Ind., Mar. 7, 1893; *s.* Jas. Robt. and Christina (Gordon) J.; reared in town and on farm; *m.* Flora

Pfaffenberger, May 18, 1915; *c.* Thos. R. Jr., Wm. Wray, Mary. Student Ind. State Normal Sch., 2 yrs.

Jones, Adice S., girls' club agt., Md. State Coll., College Park, Md.
Instr. Pratt Inst., 1916-7; teach. public schs., 1908-14.—*b.* Richmond, Va., Feb. 27, 1889; *d.* Wm. J. and Alice L. (Sims) J.; reared on farm and in town. Student Univ. Va., Pratt Inst., 1914-6.

Jones, Amwell Edwin, co. agrl. agt., Mankato, Kans.
In chg. dept. farm engin., Nickerson Coll. and Reno Co. High-Sch. Served in Flying Corps, U. S. Marines. (Power farming).—*b.* Wymore, Neb., Mar. 19, 1892; *s.* John E. and Sara A. (Jones) J.; reared on farm; *m.* Margaret F. Jones, Aug. 14, 1918; *c.* Betty Jean. B.S., Kans. State Agr. Coll. Sigma Kappa Tau.

Jones, Charles J., co. agrl. agt., Oak Harbor, O.
Fert. salesman through N. D., S. D. and Minn., 1910-1; instr. agr., high-sch., Pullman, Wash., 1911-2; soil agron., Wash. State Coll., 1912; agrl. agt. Lawrence Co., Ind., 1913-8; present position, 1918–.—*b.* Bloomfield, Ind., Dec. 25, 1886; *s.* Wm. J. and Eliza (Sargent) J.; reared on farm; *m.* Dora M. Price, Aug. 2, 1912; *c.* Ruth V. B.S., Univ. Ill., 1910. Sigma Pi.

Jones, Charles Richardson, assoc. prof. zool. and ent., Colo. Agr. Coll., Ft. Collins, Colo.
Agt. and expert, Bur. Ent., U. S. Dept. Agr., 1904-9; econ. ent., Bur. Sci., P.I., 1910-2; ent., Bur. Agr., P. I., 1912-3. Major, R. O. T. C., 1919. Traveled through Mexico, Alaska, Japan, China, Philippines.—*b.* Hastings, Neb., Oct. 17, 1879; *s.* Thos. and Mary (LaBell) J.; reared on farm; *m.* Lena Gilkison; *c.* Harold LaBell, Maurice Lucil. B.S.A., Colo. Agr. Coll., 1904; M.S., 1916.

Jones, Daniel Herbert, prof. bact., Ont. Agr. Coll., Guelph, Ont.
Resident master, Ont. Agr. Coll., 1906-8; lect. bact., 1908-15; prof. bact., 1915–.—*b.* Stourbridge, England, Sept. 29, 1875; *s.* Joseph and Mary Anne (Hatton) J.; reared in town and on farm; *m.* Helen Gray Carlyle, July, 1911; *c.* Helen Marion Gray. B.S.A., Ont. Agr. Coll., 1908.

Jones, David Clarence, co. agrl. agt., Clear Lake, S. D.
Sec.-treas. Deuel Co. Breeders Assoc.; sec. Deuel Co. Fair Assoc., 1920. 2d Lieut. Air Serv., U. S. Army, 1917-8. (Live-stock).—*b.* Randolph, Wis., Sept. 6, 1891; *s.* John D. and Rachel E. (Davis) J.; reared on farm; *m.* Rachel M. Latimer, Aug. 10, 1918. B.S., Ia. State Coll., 1917. Phi Delta Theta.

Jones, Donald Forsha, plant-breeder, Conn. Exp. Sta., New Haven, Conn.
Asst. plant-breeder and instr., Ariz. Agr. Coll. and Exp. Sta., 1911-3; instr. hort. and plant-breeding, Coll. Agr., Syracuse Univ., 1913-5; present position, 1915–. Collaborator corn invests., U. S. Dept. Agr. *Auth.:* (with E. M. East) Inbreeding and Outbreeding: Their genetic and sociological significance, 1919.—*b.* Hutchinson, Kans., Apr. 16, 1890; *s.* O. W. and Minnie (Bush) J.; reared in city and on farm; *m.* Eleanor March, Dec., 1915; *c.* Loring March. B.S., Kans. State Agr. Coll., 1911; M.S., Syracuse Univ., 1916; Sc.D., Harvard Univ., 1918. Sigma Nu; Alpha Zeta.

Jones, Earl, ext. assoc. prof. agron., Mass. Agr. Coll., Amherst, Mass.
Instr. soils, Univ. Me., 1913-5; asst. prof. agron., Mass. Agr. Coll., 1915-8; ext. assoc. prof., 1918–.—*b.* Pataskala, O., Dec. 12, 1886; *s.* Benj. M. and Allie (Nichols) J.; reared on farm; *m.* Lottie R. Edwards, Aug. 15, 1916. B.S.A., Ohio State Univ., 1912; M.Sc., 1913.

Jones, Edward E., state senator and creameryman, Harford, Pa.
b. Harford, Pa., Nov. 25, 1867; *s.* Henry M. and Marietta (Blandin) J.; reared on farm; *m.* Hattie Sweet, 1889; 2d, Ruth Jackson, 1905; *c.* Henry Sweet, Edward Jackson.

Jones, Edward Richard, prof. agrl. engin. and chm. dept., Univ. Wis., Madison, Wis.
Asst. instr., asst. prof., assoc. prof. soils, Univ. Wis., 1905-18; present position, 1918–. Distr. emergency dem. leader, 1917. Chm. Com. on Drainage,

Amer. Soc. Agrl. Engin. Traveled in Europe, 1911.—*b.* Bangor, Wis., May 20, 1882; *s.* Elias and Catherine (Evans) J.; reared on farm; *m.* Dorothea Moll, Sept., 1911 (d. 1912) 2d, Jane Walker, June, 1916; *c.* Richard Walker. B.S.A., Univ. Wis., 1905; M.S., 1908. Alpha Zeta.

Jones, Frank Dyer, co. agrl. agt., Morrisville, Vt.
b. Braintree, Vt., Nov. 18, 1888; *s.* Wm. Allen and Adella (Angie) J.; reared on farm; *m.* Gladys Ruby Swann, Aug. 9, 1917. B.S., Univ. Vt., 1913. Alpha Zeta.

Jones, Henry Albert, assoc. prof. veg. gard., W. Va. Univ., Morgantown, W. Va.
b. Ottawa, Ill., May 6, 1889; *s.* John Wallace and Rosa (Wergin) J.; reared on market garden farm; *m.* Louise White, June, 1916; *c.* Mary Elizabeth, Myron White. B.S.A., Univ. Neb., 1916; Ph.D., Univ. Chicago, 1918. Sigma Xi; Alpha Zeta.

Jones, Henry Neely, asst. prof. bact., Coll. Agr., Syracuse Univ., Syracuse, N. Y.
Princ. North Haven high-sch., 1905-6; instr. sci., Leavith Inst., Me., 1906-7; instr. sci., Waterville high-sch., Me., 1907-8; bact., Mass. State Bd. of Health, 1910-4; present position, 1914–.—*b.* Ashland, Me., Oct. 25, 1881; *s.* Henry and M. R. (Fifield) J.; reared in town; *m.* Cora Crommett, June 24, 1907; *c.* Henry Crommett, Arthur Fifield. A.B., Colby Coll., 1905. Sigma Xi; Zeta Psi.

Jones, Herschel Hildreth, dir. N. Y. City Off., Div. Foods and Markets, N. Y. State Dept. Farms and Markets, 90 W. Broadway, New York, N. Y.
Invest. and dir. legislative campaigns, Nat. Child Labor Com., 1912-5; with Bur. Municipal Research, 1915-7; asst. to John Mitchell, pres. N. Y. State Food Comn. and Fed. Food Bd., 1917-9; present position, 1919–. Del. from U. S. to Intern. Conference on labor legislation, Basle, Switzerland, 1913.—*b.* Lebanon, Ind., Jan. 16, 1889: *s.* A. B. and Anne (Bone) J.; reared in town; *m.* Inis Weed, Aug. 27, 1914. A. B., De Pauw Univ., 1911; grad. student Columbia Univ. Delta Tau Delta.

Jones, Jenkin William, supt. U. S. Rice Exp. Sta., Biggs, Calif.
Supt. Cheyenne Field Sta., Wyo., 1912-5; supt. Nephi Substa., Utah, 1915-8; present position, 1918–.—*b.* Malad, Ida., Apr. 9, 1888; *s.* David W. and Maria (Williams) J.; reared on farm. B.S., Utah Agr. Coll., 1912. Phi Kappa Iota.

Jones, Jennie C., asst. state leader home bureaus, Cornell Univ., Paris, N. Y.
Deputy postmaster, 3 yrs.; Justice of Peace, Paris. Organizer and sec. Paris Hill Fair Assoc.—*b.* Remsen, N. Y., Mar. 11, 1868; *d.* David W. and Katharine (Pritchard) J.; reared on farm.

Jones, Jesse McCullah, gen. agrl. and ind. agt., Seaboard Air Line R. R., Norfolk, Va.
Asst. an. husb., Ala. Poly. Inst., 1903-4; farmer, Ala., 1905-10; co. agt., Farmers Coop. Dem. Work, U. S. Dept. Agr., 1911; distr. agt., 1912; prof. an. husb., Ala. Poly. Inst., 1913; agron. and field agt., States Relations Serv., U. S. Dept. Agr., 1914-6; dir. div. agrl. ext., Va. Poly. Inst., 1916-9; present position, 1919–. Sec. Ala. Live-Stock Assoc., 1913. Mem. exec. com., Va. Food Adminis., 1917; chm. Va. Agrl. Council of Defense, 1917–.—*b.* Anderson Co., Kans., Nov. 30, 1878; *s.* Wesley N. and Ella L. (Bacon) J.; reared on farm; *m.* Edna V. Alsobrook, Oct. 6, 1909; *c.* Jesse M. Jr., Elmer Alsobrook. B.S.A., Kans. State Agr. Coll., 1903.

Jones, J. Seneca, asst. co. agt. leader, Univ. Minn., St. Paul, Minn.
Teach. agr., Norton Co. high-sch., Kans., 1908-10; Valley City public schs., N. D., 1910-1; Mora, Minn., 1911-3; Madison, Minn., 1913-6; agt., Lacqui Parle Co., 1916-7; present position, 1917–. Pres. Minn. Agrl. Instrs. Assoc. of Secondary Schools, 1915-6; sec. Minn. Hereford Breeders Assoc.—*b.* Bala, Kans., July 9, 1884; *s.* John E. and Eliza (Daniels) J.; reared on farm; *m.* Rose C. Tschumperlin, Aug. 26, 1913; *c.* Etheldreda, Daniel. B.S., Kans. State Agr. Coll., 1908.

Jones, J. Shirley, prof. agrl. chem. and chem. Exp. Sta., Ore. Agr. Coll., Corvallis, Ore.

Chem., Ida. Exp. Sta., 1906-14; prof. agrl. chem., Univ. Ida., 1908-14; dir. Ida. Exp. Sta., 1914-8; operating chem., U. S. Nitrate Plant, Sheffield, Ala., 1918-9; present position, 1919–.—*b.* Garrett, Ind., Feb. 14, 1876; *s.* Sidney P. and Mary (Dittmar) J.; reared on farm; *m.* Tillie Browning, Sept., 1905; *c.* Mary Elizabeth, John Paul, Margaret Helen, Wm. Shirley. B.S.A., Univ. Calif., 1903; M.S.A., Cornell Univ., 1914. Sigma Xi.

Jones, LeRoy Lucien, assoc. in poultry ext., Purdue Univ., La Fayette, Ind.

In chg. poultry dept., Univ. Ga., 1912-4; present position, 1914–. Sec.-treas. Ind. State Poultry Assoc., 1919–.—*b.* Napoleon, Mich., Nov. 5, 1885; *s.* Lucien M. and Jennie L. (Jones) J.; reared in town and on farm; *m.* Frances N. Simpson, July 15, 1915; *c.* Lucien Gordon, Margaret Frances. B.S., Mich. Agr. Coll., 1912.

Jones, Lewis Allen, sr. drainage engin., Bur. Public Roads, U. S. Dept. Agr., Washington, D. C.

Capt. Engin., U. S. Army, 18 mos.; with A. E. F., 1 yr. (Agrl. engin.).—*b.* St. James, Minn., Dec. 20, 1885; *s.* John L. and Floy E. (Wise) J.; reared in town; *m.* Pearl M. Perry, Sept. 12, 1911. C.E., Univ. Minn., 1907. Beta Theta Pi.

Jones, Lewis Ralph, prof. plant path., Univ. Wis., Madison, Wis.

Prof. bot., Univ. Vt., and bot. Exp. Sta., 1890-1910; present position, 1910–. Fellow A. A. A. S. Traveled Europe, 1904. *Ed.*, Phytopathology, 1911-4; bact. terms, Websters' New Intern. Dict.—*b.* Brandon, Wis., Dec. 5, 1864; *s.* David and Lucy (Knapp) J.; reared on farm; *m.* May I. Bennett, June 24, 1890. Ph.B., Univ. Mich., 1889; Ph.D., 1904; Sc.D. (hon.), Univ. Vt., 1910.

Jones, Maurice Daniel, farm manag. dem., Univ. Me., Orono, Me.

Instr. agr., Oak Grove Sem., Vassalboro, Me., 1912-3; instr. agr., summer sch., Charlottetown, P. E. I., 1913; co. agrl. agt., Penobscot Co., Me., 1913-7; present position, 1917–. Mem. ext. com., Amer. Farm Econ. Assoc., 1920. —*b.* Unity, Me., Nov. 11, 1887; *s.* Ephraim M. and Florence A. (Harding) J.; reared on farm; *m.* Charlotte C. Clough, June 11, 1911; *c.* Beatrice F., Frances C., Margaret L. B.S.A., Univ. Me., 1912. Phi Eta Kappa; Alpha Zeta.

Jones, Miriam Moorman, home dem. agt., Lake Village, Ark.

b. LaGrange, Tenn., June 27, 1898; *d.* Robt. A. and Bettie C. (Baker) J.; reared on farm. Grad. W. Tenn. State Normal, 1918.

Jones, Nellie Sawyer Kedzie, state leader home econ. ext. and home dem. agts., Univ. Wis., Madison, Wis.

Prof. dom. econ., Kans. State Agr. Coll., 1882-97; Bradley Poly. Inst., 1897-1901; present position, 1918–.—*b.* Madison, Me., Aug. 2, 1858; *d.* Luke F. and Paulina Dinsmore (Gray) Sawyer; reared on farm; *m.* Robt. F. Kedzie, 1881 (d. 1882); 2d, Howard Murray Jones, 1901; *c.* Eleanor Dinsmore. A.B., Kans. State Agr. Coll., 1876; M.Sc., 1883.

Jones, Roy Carroll, co. agrl. agt., Tillamook, Ore.

Asst. an. nutr., Penn. State Coll., 1908-10; instr. and asst. prof. an. husb., Mont. State Coll., 1910-4; ext. serv., Ore. Agr. Coll., and co. agt., 1914–. Sec. Mont. State Dairymans Assoc., 1910-4; co. chm. State Council of Defense, 1917–. Capt. Ore. Volunteer Guards. (Dairy husb.).—*b.* Lowell, Vt., May 2, 1886; *s.* Frank W. and Martha G. (Patterson) J.; reared in village and on farm; *m.* Clara E. Rand, July 1, 1909; *c.* Alma Arlene, Roy C. Jr. B.S., Univ. Vt., 1908. Phi Beta Kappa; Alpha Zeta.

Jones, Samuel Augustus, chief of field serv., Bur. Crop Estimates, U. S. Dept. Agr., Washington, D. C.

Commercial accountant, 1893-9; Govt. accountant, 1900-1; chief Div. Requisitions and Shipments, Navy Dept., 1902-7. (Agrl. statistics).—*b.* Genoa, O., Jan. 25, 1874; *s.* Noah Scanfield and Josephine (Brunner) J.; reared in village; *m.* Ada Ellen Yost, Oct. 9, 1901; *c.* Lincoln Samuel, Bernice Josephine, Sarah Katherine, Ruth Pauline. M.D., Geo. Washington Univ., 1904.

Jones, Thomas Henry, ent. asst., Bur. Ent., U. S. Dept. Agr., Baton Rouge, La.

With U. S. Bur. Ent., 1909-11; with Porto Rico Sugar Producers Assoc., 1911-4; present position, 1914-.—*b.* Pawtucket, R. I., Sept. 25, 1885; *s.* Robt. P. and Bertha A. (Tiepke) J.; reared on farm. B.S., Mass. Agr. Coll., 1908. Phi Kappa Phi.

Jones, Vern R., dairy manufacturing specialist, U. S. Dept. Agr., Montpelier, Vt.

Asst. dairyman and instr. dairying, Wash. State Coll., 1910-2; instr., 1913; asst. prof. dairy husb., S. D. State Coll., 1915-6; assoc. prof., 1916-7; present position, 1917-.—*b.* Sprague, Wash., July 19, 1889; *s.* Reuben R. and Maggie E. J.; reared on farm. B.S., Wash. State Coll., 1912; M.S.A., Cornell Univ., 1915. Alpha Zeta; Sigma Phi Epsilon.

Jordan, Collis, co. agrl. agt., Carrollton, O.

Teach. sci., high-sch., Goshen, O., 1915-7; supt., 1917-8. Musketry instr., A. E. F., June-Dec., 1918; Army Occupation, Germany, Dec. 1918-Apr. 1919.—*b.* Edenton, O., Dec. 10, 1893, *s.* Theodore and Loucinda (Marshall) J.; reared on farm; *m.* Ruth Biddison, Dec. 23, 1919. B.Sc., Ohio State Univ., 1915. Alpha Pi Upsilon.

Jordan, Elbert L., prof. an. ind., La. State Univ., Baton Rouge, La.

Present position, 1905-. Sec. La. Swine Breeders Assoc. *Auth.:* Helpful Hints on Hog Husbandry, 1915.—*b.* Auroraville, Wis., Jan. 25, 1878; *s.* John and Lavina (Davis) J.; reared on farm; *m.* Lillian Jones, Aug. 9, 1911; *c.* Bert. B.S., Univ. Wis., 1904.

Jordan, James Luther, princ. and teach. agr., high-sch., Stonewall, La.

Princ. and agrst., Simpson Agrl. Sch., 1916-7; present position, 1917-; manag. sch. farms, Simpson and Stonewall, La., 1916-; prof. agron., La. State Univ., summer, 1919.—*b.* Pickering, La., Jan. 23, 1895; *s.* John S. and Emma (Williams) J.; reared on farm; *m.* Jayne Pearson, Oct. 9, 1918; *c.* Erna Jayne. B.S., La. State Univ., 1916. Alpha Zeta.

Jordan, Ralph, agrl. engin., The Lockwood Farms Co., Lockwood, O.

Formerly co. agrl. agt., Cleveland, O. *Auth.:* Onions, 1915. (Muck land colonization and marketing muck land crops). —*b.* Creston, O., Aug. 6, 1891; *s.* W. B. and Estella M. (Anthony) J.; reared on farm. B.S., Ohio State Univ., 1914. Alpha Zeta.

Jordan, Samuel M., co. agrl. agt., Keytesville, Mo.

Teach. high-sch., 6 yrs.; lect. farmers inst., 6 yrs. *Auth.:* Making Corn Pay, 1913.—*b.* Albany, Mo., Oct. 7, 1860; *s.* Samuel and Anne (Puterbaugh) J.; reared on farm; *m.* Stella Flowers, June 13, 1889; *c.* Geo. F., Minnie Dale. B.S., Stanberry Normal Sch., Mo., 1885.

Jordan, Whitman Howard, dir. N. Y. Agr. Exp. Sta., Geneva, N. Y.

Asst., Conn. Exp. Sta., 1878-9; instr., Univ. Me., 1879-80; prof. agrl. chem., Penn. State Coll., 1881-5; dir. Me. Exp. Sta., 1885-96; present position, 1896-. Fellow A. A. A. S. *Auth.:* The Feeding of Animals, 1901, rev. 1917; Principles of Human Nutrition, 1912.—*b.* Raymond, Me., Oct. 27, 1851; *s.* Jas. and Sarah (Symonds) J.; *m.* Emma L. Wilson, Mar. 3, 1880. B.S., Univ. Me., 1875; M.S., 1878; D.Sc., 1896; LL.D., Mich. Agr. Coll., 1907, Hobart Coll., 1911. Phi Gamma Delta.

Joseph, Walter Edward, asst. prof. an. husb., Mont. State Coll., and asst. an. husb. Exp. Sta., Bozeman, Mont.

Instr. an. husb., S. D. State Coll., 1909-10; instr., Univ. Ill., 1912-3; assoc., 1913-6; present position, 1916-. —*b.* Lovett, Ind., Dec. 22, 1881; *s.* John and Anna S. (Zierer) J.; reared on farm. B.S., Purdue Univ., 1907; Ph.D., Univ. Ill., 1912.

Joslin, John Carlos, manag. U. S. Creamery, Grove City, Pa.

Creamery insp., Minn. State Dairy and Food Dept., 3 yrs.; creamery insp., U. S. Dairy Div., 3 yrs.; butter insp., U. S. Dairy Div., Chicago market, 2 yrs.; instr. Minn. Dairy Sch., 3 yrs.; instr. Ia. Dairy Sch., 2 yrs. Vice-pres. Nat. Creamery Butter Makers Assoc.; sec. Ia. Butter Makers Assoc.—*b.* Richland Co., Wis., Apr. 25, 1876; *s.* A. E. and Sarah S. (Fowler) J.; reared on farm; *m.* Myrtle F. Chilgren, Oct. 11, 1899; *c.* Edith, Ethel, Florence.

Judd, Ethelbert Taylor, distr. sec., Y. M. C. A., for eastern shore of Md., Masonic Bldg., Easton, Md.

With West Side Y. M. C. A., N. Y. City, 1906-9; Trenton, N. J., Y. M. C. A., 1909-11; Monmouth Co., 1911-9.—*b.* Hamlet, N. Y., Mar. 5, 1886; *s.* Wm. E. and Emma (Denison) J.; reared on farm; *m.* Helen E. Markham, July 20, 1910; *c.* Marion Marguerite. Student Berea Coll., Ky., 2 yrs.

Jungerman, Augustus Albert, co. agrl. agt., Modesto, Calif.

Teach. chem. and physics, White's Prep. Sch., Berkeley, Calif., 1912-5; chg. agrl. dept. high-sch., Paso Robles, distr. club leader, U. S. Dept. Agr. and Univ. Calif., San Obispo Co., 1915-7; agt. Stanislaus Co., 1917-. *Ed.*, Stanislaus Co. Farm Bur. Monthly.—*b.* Yankton, S. D., Oct. 9, 1889; *s.* John and Mary (Galey) J.; reared on farm. B.S., Univ. Calif., 1914; M.S., 1915. Phi Delta Kappa; Alpha Kappa Lambda.

Justin, Miner M., field agt., U. S. Bur. Crop Estimates, State Capitol, Salt Lake City, Utah.

Farmer, Riley Co., Kans., 1908-15.—*b.* Phillips Co., Kans., June 15, 1886; *s.* Frank Miner and Jennie (Hellyer) J.; reared on farm; *m.* Jessie Harrington, Nov. 17, 1911; *c.* Frank Harrington, Catharine Dorothea. B.S.A., Kans. State Agr. Coll., 1907; M.S.A., 1917.

Juve, Oscar, invest. cost of production, Off. Farm Manag., U. S. Dept. Agr., Washington, D. C.

In chg. cost of production invests. in Wis., 1912-9; teach. farm bookkeeping and accounting, Univ. Wis., 1915-9; present position, 1919-. (Farm cost-accounting).—*b.* Stoughton, Wis., May 20, 1883; *s.* Aslag and Martha (Havey) J.; reared on farm; *m.* Belinda Sanders, Sept. 6, 1916. A.B., Luther Coll., Decorah, Ia., 1907; student Univ. Wis., 1909-12.

K

Kable, George Wallace, co. agrl. agt., Corvallis, Ore.

Instr. and asst. irrig. engin., N. Mex. A. & M. Coll., 1913-4; asst. prof., 1914-5; ranch manag., N. Mex., 1915-6; agt. Benton Co., Ore., 1917-. (Agrl. engin.).—*b.* Shannon, Ill., May 24, 1888; *s.* C. H. and Anna M. (Shaffer) K.; reared in town. B.S. in C.E., Univ. Calif., 1914; grad. student, Univ. Neb., 1916-7.

Kadderly, Wallace La Due, asst. co. agt. leader, Ore. Agr. Coll., Corvallis, Ore.

Asst. co. agt., 1916; farm manag. dem., Mar.-July, 1917.—*b.* Portland, Ore., July, 7, 1892; *s.* Chas. and Mary (La Due) K. B.S., Ore. Agr. Coll., 1916. Phi Delta Theta; Alpha Zeta.

Kains, Maurice Grenville, hort. consultant, Pomona, N. Y.

Special crop culturist, U. S. Dept. Agr., 1897-1900; teach. Sch. Practical Agr. and Hort., Briarcliff Manor, N. Y., 1900-2; ed. asst., New Intern. Encyclopedia, 1902-3; assoc. ed. American Agriculturist, 1904-14; prof. hort., Penn. State Coll., 1914-6; lect. in hort., Columbia Univ., 1917-9. Partner in Atlasta Fruit Farm, Pomona; lect., agrl. journalist. *Auth.:* Ginseng, 1898 (2d ed. 1903); Making Horticulture Pay, 1909; Culinary Herbs, 1912; Plant Propagation, 1916; Principles and Practice of Pruning, 1917; Home Fruit Grower, 1918.—*b.* St. Thomas, Ont., Oct. 10, 1868 (naturalized 1899); *s.* John Alexander and Emma Elizabeth (Hughes) K.; reared in country village; *m.* Inez Hutton, Aug. 14, 1895; 2d, Jean Hickey, June 1, 1913; *c.* Maurice Eugene, Louis Stanley. B.S., Mich. Agr. Coll., 1895; B.S.A., Cornell Univ., 1896; M.S.A., 1897. Sigma Xi; Alpha Zeta.

Kalkus, Julius Wilbur, prof. histology, path. and bact. and vet. Exp. Sta., Wash. State Coll., Pullman, Wash.

Instr. histology and path. and asst. vet. Exp. Sta., Wash. State Coll., 1909-11; asst. prof., 1911-4; prof., 1914-; head div. vet. sci., Exp. Sta., 1915-. Pres. Wash. State Vet. Med. Assoc., 1912. (Diseases of live-stock).—*b.* Atkinson, Neb., Sept. 14, 1886; *s.* Julius L. and Josie (Drasky) K.; reared in town; *m.* Louise Ann McGavick, July 11, 1916; *c.* Julius Hugh. D.V.S., Kans. City Vet. Coll., 1909. Alpha Psi.

Karper, Robert Earl, supt. Tex. Exp. Substa. No. 8, Lubbock, Tex.

Asst. cereal invest., Hays Exp. Sta., Kans., 1913; asst. agron., Okla. A. & M. Coll., 1914-5; present position, 1915-.

(Grain sorghum).—*b.* Chambersburg, Pa., Oct. 9, 1888; *s.* Wm. Edward and Della Emma (Laughlin) K.; reared on farm; *m.* Sophia G. Dickinson, Mar. 8, 1915; *c.* Robt. E. Jr., Edward Allen. B.S.A., Kans. State Agr. Coll., 1914. Sigma Nu.

Karraker, Perry Elmer, asst. prof. soils, Exp. Sta., Univ. Ky., Lexington, Ky.
b. Dongola, Ill., Nov. 14, 1886; *s.* H. W. and Ina A. (Davis) K.; reared on farm. B.S.A., Univ. Ill., 1911; M.A., Univ. Mo., 1914.

Kates, Clarence Sears, agrst., Glen Loch, Chester Co., Pa.
Vice-pres. Penn. Rural Progress Assoc.; organizer and hon. financial sec. Governor's Tri-State Milk Comn. (of Pa., Del., Md.); organizer and mem. Mayor of Philadelphia's Food Comn.; sec. Philadelphia Markets Comn.; treas. Nat. Country Life Assoc.; manag. Farm Div., U. S. Dept. Labor, Philadelphia; mem. Pa. Div., Council Nat. Defense; vice-chm. Food Com. Chester Co.; chm. finance com., Church and Country Life Comns., Fed. Council Churches of Christ in Amer.; exec. com., Philadelphia Soc. Promoting Agr.; chm. exec. com., Chester Co. Farm Bur.; hon. sec., Philadelphia Agrl. Serv. Bur.; chm. exec. com., Chester Valley Farms Coop. Soc. Traveled in Europe, 6 yrs.—*b.* Philadelphia, Pa., Mar. 3, 1870; *s.* Horace N. and Julia (Smith) K.; reared in city and country; married. Grad. Univ. Penn., 1889.

Kauffman, Calvin Henry, path. insp., Fed. Hort. Bd., U. S. Dept. Agr., Washington, D. C.
Teach. high-schs., 1896-1900; asst. bot., Cornell Univ., 1901-3; instr. and asst. prof. bot., Univ. Mich., 1903-17; present position, 1917–. Traveled in Europe.—*b.* Lebanon Co., Pa., Mar. 10, 1869; *s.* John H. and Mary A. (Light) K.; reared on farm; *m.* Lizzie C. Wolf, Sept., 1895. A.B., Harvard Univ., 1896; Ph.D., Univ. Mich., 1906.

Kauffman, Harry Nelson, teach. agr., Kalispell, Mont.
Teach. biol., high-sch., Bozeman, Mont., 1911-4; princ. high-sch., Hobson, 1914-5; teach. Flathead Co. high-sch., Kalispell, 1916–; Flathead co. club leader.—*b.* De Graff, O., Dec. 10, 1886; *s.* John Y. and Ida Christine (Strine) K.; reared on farm. A.B., Wittenberg Coll., 1911; grad. student Univ. Chicago, 1915-6. Phi Gamma Delta.

Kaufman, Elmer Elsworth, field agt., U. S. Bur. Crop Estimates, 508 Custom House, San Francisco, Calif.
Prof. dairying, N. D. Agr. Coll., 1893-1905; field agt., Bur. Statistics, U. S. Dept. Agr., for Ariz. and N. Mex., 1907-9; farmer, Calif., 1909-16; present position, 1917–. (Agrl. statistics).—*b.* Glenhaven, Wis., Jan. 11, 1868; *s.* Eli M. and Nellie (Young) K.; reared on farm; *m.* Maude Forbes, Sept. 30, 1897 (deceased); *c.* Ellen Claire, Frieda Louise. B.Agr., Ia. State Coll., 1892.

Kaupp, Benjamin Franklyn, prof. poultry sci. and poultry invest. and path. Exp. Sta., N. C. State Coll., W. Raleigh, N.C.
Prof. parasitology and anat., Kans. City Vet. Coll., 12 yrs.; prof. path. and path. Exp. Sta., Colo. Agr. Coll., 4 yrs.; comnr. public health, Spartanburg, S. C., 2 yrs.; vet. insp., Bur. An. Ind., U. S. Dept. Agr., 8 yrs.; present position, 1914–. Pres. Mo. State Vet. Med. Assoc., 1900, sec., 1896-1900; sec. Mo. Valley Vet. Med. Assoc., 1900-8, pres., 1909; sec. Colo. Vet. Med. Assoc., 1908-12; pres. southern sect. Amer. Assoc. of Instrs. and Invests. in Poultry Husb., 1917–; sec. N. C. Poultry Assoc., 1917–. *Auth.:* Animal Parasites and Parasitic Diseases, 1908 (4th ed. 1918); Diseases of Poultry and Their Treatment, 1914 (2d ed., 1917); Poultry Culture, Sanitation and Hygiene, 1915; Anatomy of the Domestic Fowl, 1918.—*b.* Williamsport, Pa., Mar. 16, 1874; *s.* C. P. and Mary (Winner) K.; reared on farm; *m.* Mattie Mayes, May 5, 1897; *c.* Madolin. D.V.M., Kans. City Vet. Coll., 1895, and 1901; B.S., Colo. Agr. Coll., 1908; M.S., 1910. Alpha Psi; Alpha Gamma Rho.

Kavanaugh, James Nicholas, co. agrl. agt., Green Bay, Wis.
Agrl. agt., Great Northern Ry., 1912-6; dairy farmer, 1916-9; agrl. agt. Brown Co., 1919–. Sec. Brown Co. Guernsey Breeders Assoc.; sec. Brown Co. Holstein Breeders Assoc.; sec. Brown Co., Pure Bred Seed Growers Assoc.; manag. farm crop dept., N. E.

Wis. Fair. (Dairying).—*b.* Kaukauna, Wis., Dec. 17, 1889; *s.* Nicholas and Mary (Doran) K.; reared on farm. Grad. Univ. Wis., 1912.

Kays, Donald Jackson, prof. an. husb., Ohio State Univ., Columbus, O.
Teach., Rockford high-sch., Ill., 2 yrs.; instr. an. husb., Ohio State Univ., 1 yr.; asst. prof., 1 yr.; prof., 4 yrs. Sec. O. Percheron Breeders Assoc., 5 yrs. —*b.* Magnolia, Ill., Sept. 11, 1886; *s.* John A. and Mary Alice (Hartenbower) K.; reared on farm; *m.* Maud Mallin, June 15, 1914; *c.* John Mallin. B.S.A., Univ. Ill., 1912. Alpha Zeta; Alpha Delta Phi.

Kays, Victor C., pres. State Sch. Agr., Jonesboro, Ark.
In chg. sci., high-sch., Savanna, Ill., 2 yrs.; asst. an. husb., N. Mex. A. & M. Coll., 1 yr.; chg. substa., Wetumpka, Ala., 1 yr.; present position, 1910–. Sec. Ark. Aberdeen-Angus Assoc. (An. husb. and dairying).—*b.* Henry, Ill., July 24, 1882; *s.* John A. and Mary A. (Hartenbower) K.; reared on farm; *m.* Bertie B. Hale, June 21, 1917; *c.* Victor Hale. A.B., Univ. Ill., 1906; M.S.A., N. Mex. A. & M. Coll., 1909.

Kazmeier, Fred William, poultry husb., Tex. A. & M. Coll., College Station, Tex.
Asst. poultry, Cornell Univ., 1913-4; instr., Tex. A. & M. Coll., 1914-5; poultry husb., 1915–. *Auth.:* Correspondence Course in Poultry, in 10 books. *Assoc. ed.,* Texas Poultry Farm, Waco. —*b.* Kiel, Wis., July 31, 1890; *s.* Adam and Clara (Hedler) K.; reared on farm; *m.* Ethel Benjamin, Dec. 25, 1914 (d. 1917). Special course, Cornell Univ.

Kearney, Andrew Thomas, co. agrl. agt., Clearfield, Pa.
Teach. country sch., 1911-2.—*b.* Lanes Mills, Pa., July 5, 1892; *s.* Jas. G. and Margaret (Smith) K.; reared on farm. B.S., Penn. State Coll., 1916. Alpha Zeta.

Keffer, Charles Albert, dir. ext. div., Univ. Tenn., Knoxville, Tenn.
Prof. bot. and hort., S. D. State Coll., 1886-90; prof. hort. and for., Univ. Mo., 1891-4; asst. chief Div. For., U. S. Dept. Agr., 1895-8; prof. agr. and hort., N. Mex. A. & M. Coll., 1899-1900; prof. hort. and for., Univ. Tenn., 1900-15; dir. ext., 1915–.—*b.* Des Moines, Ia., June 11, 1861; *s.* S. B. and Rebecca (Kagey) K.; reared in city. Special course, Ia. State Coll.; Mast. Hort., 1887.

Kegley, Estel Stephen, co. agrl. agt., Fayetteville, W. Va.
Co. agt., Tenn., 1 yr.; Ky., 2 yrs.—*b.* Wytheville, Va., Jan. 25, 1886; *s.* Stephen A. and Elizabeth (Umberger) K.; reared on farm; *m.* Ruth Ella Brown, Oct. 31, 1917. B.S., Va. Poly. Inst., 1909.

Keil, Philip Francis, manag. seed dept., Job P. Wyatt & Sons Co., Raleigh, N. C.
Asst., L. I. R. R. Exp. Stas., Medford, 4½ yrs.; lands. work, I. Hicks & Son, Westbury, 2 yrs.; co. agrl. agt., Burlington Co., N. J., 1918-9; present position, 1919–.—*b.* Farmingdale, L. I., Aug. 31, 1888; *s.* Chas. Gunther and Frances (Corsa) K.; reared on farm; *m.* Pearl Lawrence Price, Apr. 24, 1915. Special student, Syracuse Univ.

Keim, Franklin David, prof. agron., Univ. Neb., Lincoln, Neb.
Supt. public schs., 2 yrs.—*b.* Hardy, Neb., Sept. 10, 1886; *s.* Dennis and Jennie (Cramer) K.; reared on farm; *m.* Alice Voigt, June 12, 1914; *c.* Virginia. B.Sc., Univ. Neb., 1914; M.Sc., 1919. Alpha Zeta; Gamma Sigma Delta.

Keithley, Joseph Rayburn, prof. dairy husb., Univ. Minn., University Farm, St. Paul, Minn.
Asst. instr., Univ. Mo., 1908-9; prof. dairying, N. D. Agr. Coll., 1914-8; prof. dairy husb., 1918-9; present position, 1920–. (Dairy manufactures).—*b.* Ashley, Mo., May 2, 1884; *s.* Joseph F. and Amanda M. (Spencer) K.; reared on farm; *m.* Edwinia Walden Jarvis, Aug. 26, 1915; *c.* Virginia Walden, Eleanore Spencer. B.S.A., Univ. Mo., 1908; M.S.A., 1911. Gamma Sigma Delta; Alpha Gamma Rho; Phi Kappa Phi.

Keitt, George Wannamaker, assoc. prof. plant path., Univ. Wis., Madison, Wis.
Lect. plant path., Univ. Wis., 1913-4; asst. prof., 1914-7; assoc. prof., 1917–.

—*b.* Newberry, S. C., June 11, 1889; *s.* Thos. Wadlington and Annie (Wannamaker) K.; reared on cotton plantation. B.S., Clemson Agr. Coll., 1909; M.S., Univ. Wis., 1911; Ph.D., 1914. Sigma Xi; Gamma Alpha; Phi Eta.

Kellerman, Karl Frederic, assoc. chief Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Asst. bot., Cornell Univ., 1900-1; asst. physiologist, Bur. Plant Ind., 1901-4; physiologist in chg. lab. of plant physiology, 1905-6; chg. soil bact. and water purification invests., 1906-14; asst. chief, 1914–; mem. Fed. Hort. Bd.; chm. editorial com., Journal of Agrl. Research. Fellow A. A. A. S.—*b.* Goettingen, Germany (of American parents), Dec. 9, 1879; *s.* Wm. Ashbrook and Stella V. (Dennis) K.; *m.* Gertrude Hast, Aug. 17, 1905. S.B., Cornell Univ., 1900. Sigma Xi; Delta Upsilon.

Kelley, Joanna R., farmer, Devils Lake, N. D.

Teach. public schs., Kans. and N. D. Ex-vice-pres. Farm Woman's Congress; on bd. Imperial Seed Growers of N. D. and Grimm Alfalfa Growers. (Developed early maturing White Dent corn). —*b.* Emporia, Kans., Dec. 5, 1870; *d.* J. V. and Anna M. (Watson) Randolph; reared on farm; *m.* Clark W. Kelley, Apr. 29, 1897.

Kelley, John, dir. rural educ. dept., Cent. Mich. Normal Sch., Mt. Pleasant, Mich.

Dir. Training Sch., Cent. Mich. Normal, Mt. Pleasant, Mich., 1897-9, 1905-13; present title, 1913–.—*b.* Palmyra, N. Y., Aug. 31, 1858; *s.* Martin and Mary (Brophy) K.; reared on farm; *m.* Minta E. Spencer; *c.* Spencer D., Paul H., Eva May, Mary Elizabeth. M.A., Columbia Univ., 1905.

Kelley, Walter Pearson, prof. agrl. chem., Univ. Calif., Citrus Exp. Sta., Riverside, Calif.

Asst. chem., Purdue Exp. Sta., 1905-8; chem., U. S. Dept. Agr., Hawaii Exp. Sta., 1908-14; present position, 1914–. *Asst. ed.*, Journal American Society of Agronomy. (Soil invests., plant nutr.). —*b.* Franklin, Ky., Feb. 19, 1878; *s.* John Wm. and Mary Eliza (Mayes) K.; reared on farm; *m.* Sue Kathrine Eubank, Aug. 6, 1913. B.S., Univ. Ky., 1904; M.S., Purdue Univ., 1907; Ph.D., Univ. Calif., 1912. Sigma Xi; Alpha Tau Omega.

Kellogg, William Lorenzo, asst. dairy husb., Bur. An. Ind., U. S. Dept. Agr., Washington, D. C.

(Cow testing assoc. work).—*b.* Titusville, Pa., May 19, 1889; *s.* W. W. and Laura Janet (Rote) K.; reared on farm and in town; *m.* Fannie F. Cooper, Oct. 24, 1917. B.S., Penn. State Coll., 1913. Phi Kappa Phi.

Kelly, Albert A., market-gardener and plant grower, E. 4100 Sprague Ave., Spokane, Wash.

Mem. Wash. Legislature, 1915-20; Wash. State Grange lect., 1905-7; pres. and manager Spokane Cooperative Growers Assoc., 1907.—*b.* Council Bluffs, Ia., Aug. 25, 1867; *s.* Bryan and Mary (Ahern) K.; reared in city; *m.* Emma E. Bronson, 1890; *c.* Mary Albert, Joseph, Xavier.

Kelly, Ernest, in chg. market milk invests., Dairy Div., U. S. Dept. Agr., Washington, D. C.

Sanitarian, Fairfield Dairy Co., Caldwell, N. J., 1906-7; sanitarian, Newark Milk and Cream Co., N. J., 1908-9; deputy state dairy and food comnr., Wash., 1909-10; present position, 1910–. Pres. Intern. Assoc. Dairy and Milk Insps., 1920. (Production and distribution of city milk supplies).—*b.* Washington, D. C., Nov. 28, 1883; *s.* Joseph Thos. and Abbie Florence (Bailey) K.; reared in city; *m.* Bartella Trumbull Dorrance, Dec. 7, 1909; *c.* Ernest Dorrance, Harry Trumbull. Student Cornell Univ., 1902-6. Sigma Phi Sigma.

Kelso, Floyd Lee, farm supt., U. S. Dept. Agr., Ardmore, S. D.

b. Willard, Mo., Sept. 12, 1881; *s.* H. T. and Mary Ellen (Kime) K.; reared on farm. B.S.A., Univ. Mo., 1907.

Kemp, Charles Willis, dir. Weymouth branch, Norfolk Co. Agrl. Sch., E. Weymouth, Mass.

Instr. agr., Proctor Acad., Andover, N. H., 1911-2; instr. agr. and princ. Colebrook Acad., Colebrook, N. H., 1912-5; instr. agr., T. N. Vail Agrl.

Sch., Lyndonville, Vt., 1915-6; instr. agr., Weymouth branch, Norfolk Co. Agrl. Sch., 1916-8; dir., 1919–; farm manag. and instr. agr., Riggs Sch., Lakeville, Conn., 1918-9.—*b.* Fairhaven, Mass., Apr. 10, 1888; *s.* Z. Willis and Mary (Boynton) K.; reared in country; *m.* Winifred P. Ingalls, July 16, 1912; *c.* Robt. Ingalls. B.S., N. H. Coll., 1911. Theta Chi; Alpha Zeta.

Kemp, William Beck, princ. agrl. high-sch., Sparks, Md.
Asst. agron., Md. Exp. Sta., 1912; teach. agr., high-schs., Frederick Co., Md., 1912-3; instr. agron. and asst. agron. Exp. Sta., W. Va. Univ., 1913-6; asst. prof. farm crops, 1916; ext. agron., Md. State Coll., 1916-7; present position, 1917–.—*b.* Glyndon, Md., Mar. 3, 1890; *s.* J. M. and Sadie (Beck) K.; reared on farm; *m.* Ellen Louise Cobey, Jan. 12, 1915; *c.* Margaret Cobey. B.Agr., Md. State Coll., 1912.

Kempster, Harry Laverne, prof. poultry husb., Univ. Mo., Columbia, Mo.
Instr. poultry husb., Mich. Agr. Coll., 1909-11; asst. prof., Univ. Mo., 1911-3; assoc. prof., 1913-9; prof., 1919–.—*b.* Coldwater, Mich., Oct. 6, 1883; *s.* Stephen W. and Eliza (Peppiatt) K.; reared on farm; *m.* C. Ruth Curts, Apr. 11, 1914; *c.* Elizabeth Curts, John Stephen. B.S.A., Mich. Agr. Coll., 1909. Alpha Zeta; Gamma Sigma Delta.

Kendall, George Brophy, co. agrl. agt., Jacksonville, Ill.
Teach. agr. and rural sociol., State Normal Sch., Moorhead, Minn., 1912-8. —*b.* Adams Co., Ill., May 17, 1876; *s.* Chas. A. and Mary (Frame) K.; reared on farm; *m.* Emma H. Rickart, June 27, 1906; *c.* Chestine, Jean, Ruth. B.S., Univ. Ill., 1912. Kappa Delta Pi.

Kendall, John Chester, dir. N. H. Exp. Sta. and dir. ext. serv., N. H. Coll., Durham, N. H.
Chg. short course in dairying, N. C. A. & M. Coll., winter, 1902; instr. and asst. prof. dairy husb., 1902-7; state dairy comnr. of Kans., July-Dec., 1907; prof. dairy husb., Kans. State Agr. Coll., 1907-10; dir. N. H. Exp. Sta., 1910–; dir. ext. serv., 1911–.—*b.* Harrisville, N. H., Mar. 13, 1877; *s.* Gilman and Lucy Ann (Felch) K.; reared on farm; *m.* Marjorie Louise Foster, Oct. 2, 1912. B.S., N. H. A. & M. Coll., 1902. Kappa Sigma.

Kendall, William B., farmer and fertilizer manufacturer, Bowdoinham, Me.
Mem. Me. Legislature, 1907.—*b.* Bowdoinham, Me., Oct. 19, 1855; *s.* Jas. Madison and Emily (Whitten) K.; reared in village; *m.* Ella C. Adams, Feb. 19, 1896.

Kendrick, William Henry, state agt. boys' agrl. clubs, W. Va. Univ., Morgantown, W. Va.
b. Selma, Ala., May 7, 1882; *s.* J. S. and Martha (Woolery) K.; reared on farm and in city; *m.* Olive M. Garrison, Aug. 8, 1901; *c.* Jas. G., Martha, Oliva. A.B., Central Univ., 1903; B.S., W. Va. Univ., 1915. Beta Theta Pi.

Kenety, William Henry, supt. For. Exp. Sta., Cloquet, Minn.
b. Fulda, Minn., Apr. 24, 1886; *s.* W. H. and Annie (Powers) K.; reared on farm; *m.* Ava I. Collier, Aug. 4, 1914; *c.* Kathleen. B.F., Univ. Minn., 1911; M.S., 1912. Sigma Xi; Alpha Zeta.

Kennedy, Carl Nelson, co. agrl. agt., Des Moines, Ia.
Instr. an. husb., Tex. A. & M. Coll., 1912-4; asst. prof. an. husb., Ore. Agr. Coll., 1914-7; agrl. agt. Polk Co., Ia., 1917–. Sec. Ore. Stallion Registration Bd.; sec. Ore. Horse Breeders Assoc.; sec.-treas. Nat. Assoc. Co. Agts., 1917-8; pres., 1919. *Auth.:* (with E. L. Potter) Horse Management, 1915. (Horses).—*b.* Ankeny, Ia., Jan. 21, 1889; *s.* J. W. and Anna (Tait) K.; reared on farm; *m.* Mae Irvine, 1915; *c.* Richard Irvine. B.S., Ia. State Coll., 1912. Alpha Zeta.

Kennedy, Helen, home dem. agt., Selma, Ala.
Teach. home econ., high-sch., Knoxville, Tenn., 1913-7; asst. home dem. agt., Knoxville, 1918; present position, 1919–.—*b.* Knoxville, Tenn.; reared in city. Student Univ. Tenn., 1909-13; Columbia Univ.

Kennedy, Patrick Beveridge, assoc. prof. agron., Univ. Calif., Berkeley, Calif.
Asst. chem., Ont. Agr. Coll., 1896; asst. Div. Agrostology, U. S. Dept. Agr.,

1899-1900; assoc. prof. bot., hort. and ent., Univ. Neb., 1900-2; prof. bot., hort. and for., 1902-13; asst. prof. agron., Univ. Calif., 1914-6; assoc. prof., 1917-. Pres. Calif. Bot. Soc., 1916-8. (Grasses, legumes, weeds, seeds).—*b.* Mount Vernon, Lamarkshire, Scotland, June 17, 1874; *s.* Geo. Penrose and Kate Butler (Watt) K.; reared in country; *m.* Clara M. French, June 13, 1900; *c.* Kate B., Margaret F., Jean M., P. B. Jr., Robt. D. B.S.A., Toronto Univ., 1894; Ph.D., Cornell Univ., 1899. Phi Kappa Phi.

Kennedy, Willard John, pres. Purity Biol. Laboratories, Sioux City, Ia.
Instr. an. husb., Univ. Ill., 1899-1901; prof. an. husb. and vice-dir. Exp. Sta., Ia. State Coll., 1901-12; dir. agrl. ext., 1912-4. Special rep., U. S. Dept. Agr. in Europe, 1905, 1917. *Auth.:* Judging Cattle, Horses, Sheep and Swine, 1903; Profitable Pork Producing, 1910.—*b.* Vernon, Ont., Oct. 1, 1876 (naturalized 1905); *s.* Archibald and Jean (McInnas) K.; reared on farm; *m.* Beulah May Brigham, Feb. 13, 1904; *c.* Arlvene, Ronald. B.Agr., Ia. State Coll., 1899. Phi Kappa Phi; Alpha Zeta; Pi Kappa Alpha.

Kenney, Francis Royal, assoc. prof. and head dept. poultry and poultry husb. Exp. Sta., Univ. Ariz., Tucson, Ariz.
Dairy and poultry farmer, Conn., 1914-6; ext. asst. prof. poultry husb., Ia. State Coll., 1916-9; present position, 1919-. Capt. Cavalry, U. S. Regular Army, 1917-9.—*b.* Fall River, Mass., June 9, 1892; *s.* Hugh E. and Mary E. (Daily) K.; reared on farm and in city; *m.* Hazel Fern Cook, June 23, 1915; *c.* Francis Vincent. B.S.A., Mich. Agr. Coll., 1914; M.Agr., 1920.

Kenney, Ralph, ext. specialist crops, Kans. State Agr. Coll., Manhattan, Kans.
Asst. agron., Univ. Ky., 1912-3; asst. prof. farm crops, Kans. State Agr. Coll., 1914-7; grass invest. in Paraguay, for Central Products Co., N. Y., June-Dec., 1917; distr. agrl., agt., Manhattan, Kans., Dec. 1917-Aug. 1918; present position, Sept. 1918-.—*b.* Centerville, O., Oct. 21, 1889; *s.* P. F. and Mary (Swadener) K.; reared on farm; *m.* Ida Virginia Wroten, July 15, 1914. B.S., Ohio State Univ., 1912. Alpha Zeta.

Kennon, William Dennis, co. agrl. agt., Alva, Okla.
Princ. high-sch., Stillwater, Okla., 1914-7; present position, 1917-.—*b.* Bolivar, Mo., Apr. 14, 1888; *s.* Jas. Sigel and Marjory Pearline (Hensley) K.; reared on farm; *m.* Clara Parkhurst, Feb. 28, 1909; *c.* Marjory Ludella. B.S., Okla. A. & M. Coll., 1914.

Kent, Harry Llewellyn, princ. Sch. Agr. and assoc. prof. agrl. educ., Kans. State Agr. Coll., Manhattan, Kans.
Student asst., State Normal Sch., Emporia, Kans., 1903-4; teach. sci. and agr., Hays State Normal, 1904-9; teach. nature-study and agr., State Normal Sch., Keene, N. H., 1909-11; dir. correspondence study, Kans. State Agr. Coll., 1911-3; present position, 1913-. State dir. voc. agr., 1918-. Mem. state com. on agrl. educ. for Smith-Hughes fund. *Auth.:* (with Call) Agriculture, Kansas State Text for Rural Schools.—*b.* Belleville, Kans., Nov. 27, 1879; *s.* Geo. C. and Lisetta A. (Pfaff) K.; reared on farm; *m.* Ursula B. Dickinson, Aug. 7, 1907; *c.* Harry L. Jr., Geo. Clarence, Lisetta L., Richard F. A.B., Kans. State Normal, 1912; B.S., Kans. State Agr. Coll., 1913. Phi Kappa Phi; Alpha Zeta.

Kent, Olney Brown, asst. prof. poultry husb., Cornell Univ., Ithaca, N. Y.
Instr. poultry husb., Cornell Univ., 1913-7; asst. prof., 1917-.—*b.* Meriden, Conn., Nov. 16, 1890; *s.* Silas W. and Mary E. (Chapman) K.; reared on farm; *m.* Grace Gwendolyn Chapman, June 24, 1914. B.S., Cornell Univ., 1913; M.S., 1914; Ph.D., 1917. Sigma Xi; Sigma Phi Sigma.

Kephart, Leonard Wheeler, sci. asst. in clover invests., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.
b. Ithaca, N. Y., Jan. 10, 1892; *s.* Horace and Laura (Mack) K.; reared in town; *m.* Frances Frazer, Nov. 22, 1916; *c.* Jane, Geo. B.S., Cornell Univ., 1913.

Kerbey, McFall, asst. in chg. city marketing distribution, Bur. Markets, U. S. Dept. Agr., Washington, D. C.
Newspaper and magazine writer, 1912-6; asst. ed., Off. of Information, U. S. Dept. Agr., 1916-7; present posi-

tion, 1917–.—*b.* Waukesha, Wis., Aug. 18, 1885; *s.* Joseph C. and Maria (McFall) K.; reared on farm and in city; *m.* Elizabeth Waite, Dec. 31, 1910; *c.* Elizabeth C., Marjorie M. B.A., Univ. Tex., 1908. Beta Theta Pi.

Kercher, Otis, state leader boys' agrl. work, Univ. Ky., Lexington, Ky.
Teach. agr., high-sch., Homer, La., 1914; agrst., La. Ind. Inst., Ruston, 1914-5; present position, 1915–.—*b.* Goshen, Ind., Sept. 9, 1892; *s.* Abraham and Anna (Buzzard) K.; reared on farm; *m.* Genevieve Williams, Dec. 31, 1914. B.S., Univ. Ill.

Kern, Frank Dunn, prof. bot. and bot. to Exp. Sta., State College, Pa.
Special agt. Bur. Plant Ind., U. S. Dept. Agr., 1904-5; asst. and later assoc. bot., Ind. Exp. Sta., 1905-13; instr. cryptogramic bot., Purdue Univ., 1910-2; present position, 1913–. Bot. Pa. State Bd. Agr., 1913-9; mem. War Emergency Bd.; ed. bd. Amer. Journ. Bot. (Plant rusts).—*b.* Reinbeck, Ia., June 29, 1883; *s.* W. S. and Emma (Dunn) K.; reared on farm; *m.* Jessie Adair, Aug. 21, 1907; *c.* Sue Emma, Frances Louise. B.S. Univ. Ia., 1904; M.S., Purdue Univ., 1907; Ph.D., Columbia Univ., 1911. Sigma Xi; Alpha Zeta; Phi Kappa Phi.

Kern, Olly Jasper, asst. prof. agrl. educ., Univ. Calif., Berkeley, Calif.
Princ. Cherry Valley public schs., Ill., 1888-91; instr. Rockford high-sch., 1891-8; supt. schs., Winnebago Co., Ill., 1898-1913; present position, 1913–. Mem. com. on ind. educ. and com. on reorganization of secondary schs., Nat. Educ. Assoc. *Auth.:* Among Country Schools, 1906.—*b.* near Mattoon, Ill., Jan. 1, 1861; *s.* John A. and Elizabeth Ann (Armentrout) K.; reared on farm; *m.* Jessie C. Allen, Aug. 6, 1889; *c.* Esther, Evans, Louise, Russell. Student De Pauw Univ., 4 yrs. Phi Delta Theta.

Kerr, John Steele, nurseryman, Sherman, Tex.
Farmer, Tex., 1865–; began nursery business, 1874; founder and pres. Commercial Nursery and Orchard Co. until 1906, merged into Tex. Nursery Co.; first vice-pres. Tex. Nursery Co. Inc. Pres. Tex. Nurserymens Assoc., 1913-4, sec.-treas., 12 yrs.; ex-pres. Tex. State Hort. Soc. Served in Civil War. *Auth.:* Southwestern Horticulture, 1st, 2d, 3d ed., 1906-14.—*b.* Columbia, Tenn., Jan. 15, 1847; *s.* Green Williamson and Mariah (Henderson) K.; *m.* Amelia Rutherford Murray, Nov. 18, 1874; *c.* Mrs. J. L. Thompson, Mrs. R. E. Vinson, Ruth, Mrs. W. B. Munson Jr.

Kerr, Leonard Jasper, co. agrl. teach., Millington, Tenn.
b. Savannah, Tenn., Feb. 20, 1892; *s.* T. S. and Lucy (Seaton) K.; reared on farm. B.S.A., Univ. Tenn., 1919.

Kerr, William, swine specialist, Univ. Ida., State House, Boise, Ida.
Teacher, 1905; supt. N. C. Exp. Sta. farm, 1906-8; agrst., Murray Distr. Agrl. Sch., Tishomingo, Okla., 1909-10; farmer, 1912-3; teach. agr., Ky. Military Inst., Lyndon, 1913-4; instr. agr. and sci., McAlester high-sch., Okla., 1914-8; present position, 1918–.—*b.* Bryson City, N. C., Jan. 17, 1886; *s.* David White and Hattie I. (Reeves) K.; reared on farm. B.S., N. C. State Coll., 1904; M.S., Va. Poly. Inst., 1912.

Kersey, Ralph Teeter, teach. voc. agr., high-sch., Garden City, Kans.
Princ. high-sch., Axtell, Kans., 1908-9; supt. schs., Circleville, 1911-3; princ. high-sch., Superior, Neb., 1913-4; teach. Indian Serv., U. S. Dept. Interior, 1 yr.; present position, 1917–. Pres. Kans. Teach. Voc. Agr., 1919.—*b.* Westmoreland, Kans., June 10, 1880; *s.* Robt. Butler and Martha (Teeter) K.; reared on farm; *m.* Florence Augusta Garloch, Aug. 18, 1910; *c.* Paul Garloch, Pauline Augusta. B.S., Kans. State Agr. Coll., 1904.

Kester, Glenn Ross, farmer, Irwin, Pa.
Farmer, Bloomsburg, Pa., 5 yrs.; farm supt., Westmoreland Coal Co., Irwin, 1917–.—*b.* Bloomsburg, Pa., Feb. 6, 1892; *s.* Wm. Harvey and Atta (Beach) K.; reared on farm. B.S., Penn. State Coll., 1917.

Kester, Reuben Perry, ed. Pennsylvania Farmer, Philadelphia, Pa.
Farmer, 15 yrs. State leader Pa. farmers insts., 5 yrs.—*b.* Clearfield Co., Pa., Jan. 18, 1869; *s.* Lewis and Alice

(Wall) K.; reared on farm; *m.* Myrtle M. Davis, Aug. 1894; *c.* Elisha Howard, Lucretia Mott.

Ketcham, John Clark, master Mich. State Grange and lect. Nat. Grange, Hastings, Mich.
Dir. Amer. Country Life Assoc.; pres. Mich. Sugar Beet Growers Assoc.; pres. Nat. Sugar Beet Growers Fed. (Rural econ. and educ.).—*b.* Toledo, O., Jan. 1, 1873; *s.* John C. and Mary L. (Davis) K.; reared on farm; *m.* Cora E. Rowlader, June 30, 1897; *c.* Mildred C., John C. Jr., Ruth M.

Ketner, Forrest G., co. agrl. agt., Delaware, O.
Breeder pure-bred O. I. C. swine and Holstein cattle, Fairfield Co., O., 10 yrs.—*b.* Thurston, O., Jan. 23, 1888; *s.* Tunis D. and Clara A. (Wagner) K.; reared on farm; *m.* Maud A. Beery, 1909; *c.* Clara Frances, Forrest Wayne. A.B., Ottenbein Univ., 1910. Phi Kappa Phi.

Kettunen, Arne Gerald, asst. state club leader, Mich. Agr. Coll., Court House, Marquette, Mich.
Garden superv., Houghton Co., Mich. 1917-8; present position, 1918–.—*b.* Ishpeming, Mich., Oct. 28, 1894; *s.* Andrew and Magdalene (Pintamo) K.; reared in city. B.S., Mich. Agr. Coll., 1917. Alpha Zeta.

Keyes, Helen Johnson, writer and ed., Wadsworth Hall, Rosebank, Staten Isl., N. Y.
Translator: A Monk of the Aventine, 1896; Life of Napoleon III, 1899. *Auth.:* Mother Wisdom, 1917; Motherhood in the Country, 1918. Contributor to Farm Wisdom, 1918. On editorial staff, Farm and Fireside, Springfield, O., Farmer's Wife, St. Paul, Minn., Good House-Keeping, N. Y. City; writing staff Colliers Weekly. Dir., Magazine Publicity for U. S. Fuel Adminis., 1918; writer for U. S. Dept. Agr. (Off. of Information), 1919. Traveled in Europe.—*b.* N. Y. City, June 19, 1879; *d.* Oliver and Jane (Abbott) Johnson; reared in city; *m.* John M. Keyes, 1906; *c.* Oliver Johnson, John M., Jane Abbott.

Kezer, Alvin, prof. agron. and farm manag. and chm. Div. Agr., Colo. Agr. Coll., Fort Collins, Colo.
With U. S. Dept. Agr., 1904-6; chg. soils, Univ. Neb., 1906-9; prof. agron., Colo. Agr. Coll., 1909–; chm. Div. Agr. and farm manag., 1910–. Chm. seed com., Colo. Adv. Council Defense.—*b.* Bower, Neb., Nov. 7, 1877; *s.* Geo. F. and Clara E. (Bower) K.; reared on farm; *m.* Harriet M. Mitchell, June 19, 1906; *c.* Munro, Jas. B.S., Univ. Neb., 1904; M.S., 1906. Sigma Xi; Alpha Zeta.

Kidder, Albert F., agron. and asst. dir., La. Exp. Sta., Baton Rouge, La.
Asst. soil physics, Univ. Ill., 1906-7; asst. prof. agron., La. State Univ., 1907-10; prof., 1910-9; present position, 1919–. Fellow A. A. A. S. Sec. La. Corn Growers Assoc.—*b.* Good Hope, Ill., Apr. 2, 1881; *s.* Frank and Fidelia (Fink) K.; reared on farm; *m.* Inez Hyams, Jan. 21, 1909. B.S., Univ. Ill., 1906. Sigma Xi; Alpha Zeta.

Kidder, Waldo, co. agrl. agt., Walsenburg, Colo.
b. Melrose, Ia., Dec. 9, 1894; *s.* E. M. and Anna (Halsey) K.; reared on farm and in town; *m.* Florence Crane, Dec. 29, 1918. B.S., Colo. Agr. Coll., 1917. Sigma Chi; Alpha Zeta.

Kidman, Carl May, co. agrl. agt., Onaway, Mich.
b. Clyde, O., Aug. 15, 1889; *s.* Simon G. and Ida (May) K.; reared on farm; *m.* Stella Elizabeth Older, Sept. 27, 1911; *c.* Lorena Belle. B.S., Mich. Agr. Coll., 1917.

Kienholz, William S., superv. agr. in intermediate and high-schs., Pasadena, Calif.
Teach. biol. sci., high-sch., Crookston, Minn., 1900-1; teach. sci. and athletics, Lombard Coll., 1901-3; N. C. A. & M. Coll., 1903-4; teach. athletics, Univ. Colo., 1905-6; biol. and athletics, Wash. State Coll., 1908-9; supt. agr., Pasadena, Calif., 1912-7; Los Angeles, 1918–. Pres. Pasadena Civic Assoc.—*b.* Karson, Minn., Oct. 22, 1875; *s.* Ulrich and Kath (Grossman) K.; reared in city and on farm; *m.* Maude J. Fitch, 1902. A.B., Lombard Coll.; B.S., Univ. Minn. Sigma Phi Epsilon.

Kiesselbach, Theodore Alexander, prof. agron., Univ. Neb., Lincoln, Neb.
Exptl. asst. agron., Univ. Neb., June-Dec., 1908; instr., 1908-12; asst. prof.,

Jan.-Apr., 1912; assoc. prof., 1912-3; prof., 1913–. Sec. Neb. Corn Improvers Assoc., 1912-8; sec. Neb. Pure Grain and Seed Growers Assoc., 1913–.—*b.* Polk Co., Neb., Mar. 14, 1884; *s.* Alexander and Caroline (Bayrhoffer) K.; reared on farm; *m.* Hazel Hortense Hyde, June 30, 1909; *c.* Theodore John, Max Rudolph. A.B., Univ. Neb., 1907; B.Sc., 1908; A.M., 1912; Ph.D., 1919. Sigma Xi; Gamma Sigma Delta, Alpha Zeta.

Kildee, Henry Herbert, head dept. an. ind., Ia. State Coll., Ames, Ia.

Instr. an. husb., Ia. State Coll., 1909; experimentalist, 1909-10; assoc. prof., 1910-5; prof., 1915-6; chief dairy husb. div., Univ. Minn., 1916-8; present position, 1918–. Mem. editorial staff, Dairy Science.—*b.* Osage, Ia., Mar. 1, 1884; *s.* M. and Lucy A. (Stone) K.; reared on farm; *m.* Ruth E. Sweney, Feb. 16, 1910; *c.* Regina. B.S.A., Ia. State Coll., 1908; M.S.A., 1917. Alpha Zeta; Delta Upsilon; Phi Kappa Phi; Gamma Sigma Delta.

Kile, Orville Merton, eastern editorial manag., Soil Improvement Com., Nat. Fertilizer Assoc., 1428 Munsey Bldg., Baltimore, Md.

Lect. agrl. ext., Ohio State Univ., 1912-3; agrl. ed., W. Va. Univ., 1913-6; asst. editorial manag., Soil Improvement Com., 1916-7; present position, 1917–.—*b.* New Vienna, O., Feb. 17, 1886; *s.* Morris and Morrie (Zinn) K.; reared on farm and in city. B.S., Ohio State Univ.

Kilgore, Benjamin Wesley, dir. Exp. Sta. and ext. serv., N. C. State Coll. and N. C. Dept. Agr., Raleigh, N. C.

Asst. prof. chem., Miss. A. & M. Coll., 1888-9; asst. chem., N. C. Exp. Sta., 1889-97; prof. chem., Miss A. & M. Coll. and state chem., 1897-9; state chem., N. C., 1899-1919; dir. N. C. Exp. Sta., 1901-7, 1912–; dir. ext. serv., 1914–. Mem. State Bd. for Voc. Educ. Pres. Assoc. Official Agrl. Chem., 1899-1900. (Chem., agron.).—*b.* Lafayette Co., Miss., Mar. 27, 1867; *s.* Benj. Moon and Susan (Bruce) K.; reared on farm; *m.* Elizabeth Carrington Dinwiddie, Aug. 10, 1898; *c.* Elizabeth Carrington, Benj. Wesley, Jas. Dinwiddie. B.S., Miss. A. & M. Coll., 1888; M.S., 1891. Sigma Alpha Epsilon.

Kilpatrick, Elmer James, co. agrl. agt., Paducah, Ky.

Agrl. agt. McCracken Co., Ky., 1914-5; farmer, LaCenter, 1916-7; present position, 1918–.—*b.* Belmont, Wis., Sept. 16, 1891; *s.* Thos. J. and Aggie (Stockdale) K.; reared on farm; *m.* Ethel Benedict, Dec. 8, 1914; *c.* Morgan Jas., Gladys. B.S.A., Univ. Wis., 1914.

Kimball, Andrew, agrl. agt., U. S. Railroad Adminis., Ariz. Eastern Ry. Co., Thatcher, Ariz.

Farmer, fruit-grower and raiser blooded stock. Mem. exec. bd., Intern. Farm Congress and Nat. Farm Congress; chm. State Comn. Agr. and Hort.; chm. State Board of Trade; mem. State Soldier Settlement Assoc. Pres. St. Joseph Stake, Mormon agrl. colony.—*b.* Salt Lake City, Utah, Sept. 6, 1858; *s.* Heber C. and Ann A. (Gheen) K.; reared in country; *m.* Olive Woolley, Feb. 22, 1882 (d. 1906); 2d, Josephine Cluff, Sept. 18, 1908; *c.* Olive Clare (Mrs. Brunkerhoff), A. Gordon, Delbert G., Ruth (Mrs. Udall), Spencer W., Alice (Mrs. Nelson), Helen (Mrs. Farr).

Kimble, John Haines, farmer and dairyman, Port Deposit, Md.

Clerk for grain dealer, 1878-82; teller Cecil Nat. Bank, Port Deposit, 1882-1900. Sec. Jacob Tome Inst., 1900-15; treas., 1915–. Mem. Md. House of Delegates, 1900; mem. bd. dir., Md. Penitentiary, 1908-16; manag. Mutual Fire Insurance Co., of Cecil Co.; asst. sec. Farmers Nat. Congress, 1905-11; sec., 1911-3; legislative agt., 1914–; pres., 1918-9.—*b.* Nottingham, Pa., Oct. 26, 1860; *s.* Anson Bennett and Mary Hannah (Kirk) K.; reared on farm; *m.* Mary Jane Tome, Jan. 31, 1883; *c.* Chester Tome, Annie May. Student Eastman Business Coll., Poughkeepsie, N. Y.

Kime, Charles D., co. agrl. agt., Orlando, Fla.

Farmer and citrus grower, 1912-7; agt. Brevard Co., Fla., 1917-9; Orange Co., 1919–. (Citrus fruits).—*b.* Petersburg, Ind., Jan. 13, 1890; *s.* R. R. and Hope (Davidson) K.; reared in city; *m.* Mabel Clare Van Hooser, Mar. 5, 1914; *c.* Chas. D. Jr., Robt. C. B.S., Univ. Fla., 1912. Alpha Tau Omega.

Kincaid, Samuel Carothers, farm manag., Hoboken, Pa.

General farmer, Prince Wm. Co., Va., 6 yrs.; manag. Allegheny Co. workhouse farm, Hoboken, Pa. (Swine).—*b.* Pittsburgh, Pa., Apr. 20, 1891; *s.* Albert E. and Ellen Emma (Carothers) K.; reared in city; *m.* Anna Margaret Barron, Sept. 30, 1915; *c.* Margaret Johnston. B.S., Penn. State Coll., 1913. Phi Kappa Sigma; Delta Theta Sigma.

King, Asa Carlton, prof. farm practice, Cornell Univ., Ithaca, N. Y.

Manager fruit farm, N. Y., 1899-1915; instr. ext. schs., winters, 1911-4; farmers insts., 1909-1. Vice-pres. N. Y. State Fruit-Growers Assoc., 4 yrs.—*b.* Trumansburg, N. Y., July 24, 1877; *s.* Tertillus H. and Harriet (Robinson) K.; reared on farm; *m.* Viola Doyle, Oct 9, 1905; *c.* Dorothy, Edythe. B.S.A., Cornell Univ., 1899.

King, Ben H., co. agrl. agt., Montrose, Colo.

Lieut., U. S. Army, 1917-9; served with A. E. F., 1 yr.—*b.* Joliet, Ill., Sept. 5, 1892; *s.* Ben H. and Lavina (Hamill) K.; reared on farm. B.S., Colo. Agr. Coll., 1916. Sigma Chi.

King, Franklin George, assoc. in an. husb., Purdue Univ. Exp. Sta., LaFayette, Ind.

Asst. an. husb., Univ. Mo., 1907-8; asst., Mo. State Bd. Agr., 1908-9; asst. prof. an. husb., Kans. State Agr. Coll., 1909-10; present position, 1910–. Sec. Ind. Cattle Feeders Assoc.; sec. Ind. Livestock Breeders Assoc. Capt., U. S. Army 1917-9, served with A. E. F.—*b.* Sweet Springs, Mo., Dec. 18, 1884; *s.* Geo. W. and Mary (King) K.; reared on farm; *m.* Mary Rose, June 23, 1918. B.S. A., Univ. Mo., 1907. Alpha Zeta.

King, John Kenneth, Dominion sheep rep. for Maritime Provinces, 347 St. George St., Moncton, N. B.

Distr. rep. Pontiac Co., Que., for Macdonald Coll., 1913-6.—*b.* Sussex, N. B., Aug. 29, 1889; *s.* John H. and Annie M. (Carter) K.; reared on farm; *m.* Pearl Heatherington, Aug. 12, 1914; *c.* Dorothy E. B.S.A., McGill Univ., 1913.

King, Louisa Yeomans, writer and flower-gardener, Alma, Mich.

Pres. Women's Nat. Farm and Gard. Assoc.; vice-pres. The Gard. Club of Amer.; vice-pres. Women's Farm and Garden Union, England; dir. in Women's Land Army of Amer.; mem. Mich. Community Council Comn. Fellow Royal Hort. Soc. of Great Britain. *Auth.:* The Well-Considered Garden, 1915.—*b.* Washington, N. J., Oct. 17, 1863; *d.* Alfred and Elizabeth (Ramsay) Yeomans; reared in town; *m.* Francis King, 1890; *c.* Elizabeth, Henry W.

King, Rufus L., co. agrl. agt., Hartford, Ala.

Farmer, 1911-3; asst. agr., Univ. Fla., 1913-4; teach. agr., Manatee Co. high-sch., 1914-6; agrl. agt. Geneva Co., Ala., 1917–.—*b.* Ala., Feb. 2, 1885; *s.* Wm. C. and Salome (Kirkland) K.; reared on farm; *m.* Elizabeth Tallant Thomas, May 1, 1918. B.S.A., Univ. Fla., 1911.

Kinghorne, Joseph William, poultry husb., Bur. An. Ind., U. S. Dept. Agr., Washington, D. C.

Farmer, Howard Co., Md., 1911-2; dairy specialist, Md. Exp. Sta., 1912; first rep. of U. S. Dept. Agr. to organize junior poultry clubs, 1912-3; teach., Univ. Va., summers 1913-4; prof. poultry husb., Va. Poly. Inst., 1913-5; present position, 1915–. Asst. in chg. nat. poultry production campaign during World War. *Auth.:* (with Lamon) Practical Poultry Production, 1920.—*b.* Cumberland, Md., Apr. 16, 1890; *s.* Wm. and Margaret (Farber) K.; reared on farm and in city; *m.* Edna May Sibley Hutson, June 25, 1913. B.S.A., Md. Agr. Coll., 1911.

Kingman, Frederic W., dir. Norfolk Co. Agrl. Sch., Walpole, Mass.

Princ. grammar schs., Hyannis, W. Barnstable, S. Easton, Mass., 1889-90; private teaching, 1890-3; clerical work, 1893-6; supt. schs., Barnstable, 1896-1905; Medfield, 1905-8; Walpole, 1905-16; present position, 1916–.—*b.* Bridgewater, Mass., July 27, 1868; *s.* Wm. B. and Georgianna S. (Jackson) K.; reared on farm; *m.* Bertha Kent Cushman, June 30, 1898; *c.* Harriet. A.B., Harvard Univ., 1910.

Kinnaird, Roy A., co. agrl. agt., Maryville, Mo.

Instr. agr., N. W. Mo. Teach. Coll., 1914-6; ext. specialist soils, Univ. Mo., 1916-8; present position, 1920-.—*b.* Carrollton, Mo., Oct. 21, 1888; *s.* A. J. and Annie E. (Quisenberry) K.; reared on farm; *m.* Neva Fisher, Oct. 10, 1917. B.S.A., Univ. Mo., 1913; A.M., 1914. Sigma Xi; Alpha Zeta.

Kinney, Edmund J., assoc. prof. agron., Univ. Ky., Lexington, Ky.

Asst. ent. and bot., Ky. Exp. Sta., 1908-11; asst. prof. agron., and asst. agron. Exp. Sta., Univ. Ky., 1911-6; assoc. prof., 1916-.—*b.* Yellow Springs, O., Dec. 26, 1879; *s.* Mathias and Sara Ellen (Applegate) K.; reared on farm; *m.* Kathryn Petrey, 1908; *c.* Frances Ware, Sara Kathryn. B.S.A., Ohio State Univ., 1908. Alpha Gamma Rho.

Kinnison, Allen Fisher, prof. hort. and asst. hort. Exp. Sta., Univ. Ariz., Tucson, Ariz.

Instr. agr. and princ. high-sch., Fruitland, Ida., 1916-7; manag. fruit ranch, Ore., 1917-8; present position, 1918-.—*b.* Hopkins, Mo., Jan. 10, 1893; *s.* Harvy B. and Lola (Fisher) K.; reared on farm; *m.* Gail White, Dec. 26, 1916. B.S.A., Univ. Ida., 1916. Sigma Nu.

Kinsman, Claude Dennison, farm manag., Columbus, Neb.

Instr. farm mech., Purdue Univ., 1912-6; ext. rural engin., 1916-8; ext. agrl. engin., Univ. Neb. 1918-9. (Agrl. engin.).—*b.* Polk Co., Neb., Mar. 9, 1889; *s.* Jas. W. and Elizabeth (Silkett) K.; reared on farm; *m.* Margaret E. Gamble, Sept. 3, 1915; *c.* Elizabeth A. B.S., Univ. Neb., 1912; M.S.A., Purdue Univ., 1916. Sigma Tau; Gamma Sigma Delta.

Kirby, William Livingston, co. agrl. agt., Chamber of Commerce, Richmond, Va.

Teach., Caroline Co. high-sch., Md., 1911-3.—*b.* Smyrna, Del., Jan. 2, 1886; *s.* Thos. and Bessie (Bradley) K.; reared on farm; *m.* Mary J. Cowherd, Dec. 23, 1916; *c.* Hilda Elizabeth. B.S.A., Del. Coll., 1911.

Kirkham, James Mercer, ed. and pub. Utah Farmer, Lehi, Utah.

Pres. State Newspaper Assoc.; sec. State Development League. Field rep., Food Adminis.—*b.* Lehi, Utah, Nov. 18, 1872; *s.* Jas. and Martha (Mercer) K.; reared in small town; *m.* Kate Woodhouse, June 14, 1893; *c.* J. Arno, Zelda Kate, Martha, Alice Emma, Elbert C., Alden J., Earl Kay, Bessie J., ElMoen.

Kirkpatrick, Elbert Wiley, farmer, McKinney, Tex.

Pres. Tex. Ind. Congress. Major-Gen. U. C. V. Assoc. of Tex.—*b.* Jefferson Co., Tenn., Oct. 12, 1844; *s.* Jacob M. and Sarah Jane (Campbell) K.; reared on farm; *m.* Emily T. Clive, Nov. 5, 1874; *c.* Ray H., Lee Roy, Alice, Sara.

Kirkpatrick, Kemper Austin, asst. co. agt. leader, Univ. Minn., University Farm, St. Paul, Minn.

Instr. hort., Wash. State Coll., 1909-10; ext. hort. specialist, Univ. Minn., 1910-3; agt. Muscatine Co., Ia., 1913-4; agt. Hennepin Co., Minn., 1914-7; present position, 1917-. Dir. Nat. Milk Producers Assoc.—*b.* S. English, Ia., Aug. 8, 1878; *s.* Martin Valentine and Frances Virginia (Beery) K.; reared on farm; *m.* Clara Anita Estabrook, June 25, 1913; *c.* Elizabeth Anita, Kemper Estabrook. B.S.A., Ia. State Coll., 1909. Delta Tau Delta; Delta Theta Sigma.

Kirkpatrick, Martin Glenwood, assoc. ed. in chg. live-stock dept., The Farm Journal, Philadelphia, Pa.

Rural sch. teach., 4 yrs. Farm ed., Des Moines Register, 1917.—*b.* S. English, Ia., Dec. 18, 1880; *s.* Martin and Frances (Beery) K.; reared on farm; *m.* Eloise A. Dalrymple, Aug. 14. 1919. B.Sc., Ia. State Coll., 1917. Gamma Sigma Delta; Sigma Delta Chi.

Kirkpatrick, Mazie D., home dem. agt., Reidsville, N. C.

Teach. home econ., Farm Life High-Sch., Jamestown, N. C., 2 yrs.; home dem. agt Rockingham Co., 1918-. B.S., N. C. Coll. for Women, 1915.

Kirkpatrick, William F., prof. poultry husb., Conn. Agr. Coll., Storrs, Conn.

Asst. poultry husb., R. I. Exp. Sta., 1905-9; instr., Miss. A.&M. Coll., 1910-2; present position, 1913-.—*b.* Mecklenburg Co., N. C., Apr. 9, 1880; *s.* John Moore and Gussie (Burns) K.; reared on farm; *m.* Grace E. Hovey,

Oct. 30, 1909; *c.* Henry H., Ruth H. B.E., N. C. A.&M. Coll., 1904; B.Agr., 1905. Kappa Alpha.

Kirkwood, William Paul, ed. and prof. journalism, Univ. Minn., University Farm, St. Paul, Minn.

Prof. math., Macalester Coll., St. Paul, 1892-3; business position, 1893-7; with Minneapolis Journal, 1897-1907; special newspaper and magazine writer, 1907-13; country life ed., Minneapolis Journal, 1913-4; present position, 1914-. Educ. dir. in Minn. for U. S. Food Adminis., 1918.—*b.* Cross Creek, O., Jan. 9, 1867; *s.* Wm. R. and Rebecca (Gray) K.; reared in town; *m.* Virginia Rose, Sept. 14, 1892 (d. 1901); 2d, Edith Brown Kirkwood, Jan. 21, 1915; *c.* Samuel Brown. B.A., Macalester Coll., 1890. Beta Theta Pi; Sigma Delta Chi.

Kirshman, Irving, co. agrl. agt., Menominee, Mich.

Formerly co. agrl. agt., Baroga Co., Mich.; Menominee Co., 1919-. (Farm manag., live-stock).—*b.* Allegan Co., Mich., Jan. 10, 1886; *s.* J. Fred and Nancy (Sheffield) K.; reared on farm; *m.* Nina Belle Rose, Oct. 20, 1915; *c.* Kenneth Robt., Rosemond Jean. B.S., Mich. Agr. Coll., 1914. Alpha Zeta.

Kittell, Albert George, ed. Nebraska Farm Journal, 315 N. 34th St., Omaha, Neb.

City ed., Manhattan, Kans., Nationalist, 1908-9; assoc. ed., Farmers' Mail and Breeze, 1909-14; present position, 1914-. Farmer in Kans. and Md.—*b.* Blossom, N. Y., Apr. 2, 1881; *s.* Henry and Mary (Wolf) K.; reared on farm; *m.* Marie Fenton, June 21, 1911; *c.* Marjorie, Doris. B.S., Kans. State Agr. Coll., 1909.

Kjosness, Albert Weidel Buch, asst. co. agt. leader, Univ. Ida., Moscow, Ida.

Instr. agr., high-sch., Prescott, Wash., 1913-6; agrl. agt. Power Co., Ida., 1916-8; present position, 1918-.—*b.* Madison, Minn., Oct. 10, 1889; *s.* Gunder P. and Nikoline Fredrikke (Buch) K.; reared on farm and in city; *m.* Madge Elma Whisler, Nov. 29, 1916; *c.* Valborg Elizabeth. B.A., Spokane Coll., 1910; B.S., Univ. Ida., 1913.

Kleinheinz, Frank, asst. prof. in chg. sheep dept., Univ. Wis., Madison, Wis.

With Univ. Wis., 1890-. Treas. Wis. Sheep Breeders Assoc., 9 yrs. Traveled through Europe studying sheep husb. *Auth.:* Sheep Management, 1911; Sheep Management, Breeds and Judging, 1916.—*b.* Bavaria, Germany, Sept. 13, 1855 (naturalized 1888); *s.* Frank and Margaret (Kleinheinz) K.; reared on farm; *m.* Kunigunda Kleinheinz, Nov. 24, 1885; *c.* Caroline, Monica, Adelaide, Milly, Frances, Theresa, Frank Jr.

Kleinschmidt, Leland Samuel, co. agrl. agt., Savannah, Mo.

Instr. poultry husb., Penn. State Coll., 2 yrs.; asst. prof. and head div., 2 yrs. (Poultry).—*b.* Higginsville, Mo., Dec. 20, 1891; *s.* Samuel J. and Elizabeth (Riske) K.; reared in town and on farm; *m.* Margaret Edna Long, June 16, 1916. B.S.A., Univ. Mo., 1915; M.S., Penn. State Coll., 1917. Gamma Sigma Delta.

Klinck, Merle S., prof. rural engin., Rutgers Coll., New Brunswick, N. J.

Formerly asst. prof. agrl. engin., Conn. Agr. Coll.—*b.* Hebron, O., Mar. 30, 1894; *s.* Geo. Edward and Emma Catherine (Messmore) K.; reared on farm; *m.* Irene E. Hey, May 24, 1916. B.S.A., Ohio State Univ., 1916. Beta Alpha Chi.

Kline, James, co. agrl. agt., Bedford, Ind.

Farmer, La Grange Co., Ind., 1880; farmers inst. lect., 1907-17; agrl. agt. Lawrence Co., 1918-. Pres. Ind. Corn Growers Assoc., 1914; pres. La Grange Co. Farmers Inst., 1915-6; in chg. Ind. exhibit, Panama-Pacific Expos., 1915. —*b.* La Grange Co., Ind., May 2, 1865; *s.* Jas. and Calista (Shoup) K.; reared on farm; *m.* Kate E. Keefus, May 19, 1885; *c.* Leta, Bessie, Jas. C., Florence, Eva, Dewey, Mildred. Student Purdue Univ.

Kline, James C., co. agrl. agt., Dexter, Mo.

Teach. agr., high-sch., Detroit, Minn., 1915-6; present position, 1916-.—*b.* Howe, Ind., Sept. 4, 1890; *s.* Jas. and Elizabeth K.; reared on farm; *m.* Ella Erickson, Mar. 30, 1917; *c.* Jas. Russell. B.S.A., Purdue Univ.

Klinka, John Simandl, co. agrl. agt., Balsam Lake, Wis.
Dir. agr., high-sch., Little Falls, Minn., 1913-4. Organizer of five farmers clubs in Minn.—*b.* W. Bend, Wis., May 6, 1882; *s.* Frank and Mary (Simandl) K.; reared on farm; *m.* June 3, 1919; *c.* Mary Mae. B.S., Univ. Wis., 1913.

Kloser, Francis John, co. agrl. agt., Waukon, Ia.
Asst. ext. prof. dairy production, Ia. State Coll., 1½ yrs. 2d Lieut. 20th Engin., U. S. Army.—*b.* Cassville, Wis., Aug. 27, 1888; *s.* Geo. and Bertha (Pfiffner) K.; reared in town; *m.* Genevieve Rourke, June 25, 1919. B.S.A., Ia. State Coll. 1918. Delta Sigma Rho.

Knapp, Bradford, dean and dir. Coll. Agr. and Exp. Sta., Univ. Ark., Fayetteville, Ark.
Chief Off. of Ext. Work in South, States Relations Serv., U. S. Dept. Agr., 1911-20; present position, 1920–. Investigational trip to Europe, 1913, for U. S. Dept. Agr., studying rural organization and credit. Special attention to rural econ., organization, farm dem. work, co. agts., home dem. work, boys' and girls' clubs, ext., etc. Continued work of his father in co. agt., and home dem. work for women and girls, and instituted direct cooperation between U. S. Dept. Agr. and state colleges of agr., covering all extension work.—*b.* Vinton, Ia., Dec. 24, 1870; *s.* Seaman A. and Maria E. (Hotchkiss) K.; reared on farm; *m.* Stella White Davis, July 20, 1904; *c.* Bradford Jr., Marian C., DeWitt L., Roger Seaman, Virginia Estella. B.S., Vanderbilt Univ., 1892; LL.B., Univ. Mich., 1896; D.Agr., Md. State Coll. 1918. Kappa Alpha.

Knapp, Forrest Parker, territorial town and country for Ont. and Que., Y. M. C. A. sec., 120 Bay St., Toronto, Ont.
b. N. Adams, Mich., May 18, 1882; *s.* John and Francelia (Shepard) K.; reared on farm; *m.* Evelyn D. Gates, 1908; *c.* Delcie May, Helen Mildred, Francelia Ruth, Evelyn Elizabeth. Ped.B.,A.B., Hillsdale Coll., 1907. Alpha Tau Omega.

Knapp, George Selick, state irrig. comnr., Topeka, Kans.
b. Sauk Co., Wis., Sept. 23, 1884; *s.* H. G. and Mary (Mayer) K.; reared on farm; *m.* Gretchen C. Meisgeier, Feb. 15, 1915; *c.* Olga, Lyle. B.S. in M.E., Kans. State Agr. Coll., 1914.

Knapp, Halsey B., dir. N. Y. State Sch. Agr., Cobleskill, N. Y.
Instr. pom., Cornell Univ., 1913-4; asst. prof., 1915-6; present position, 1916–.—*b.* Port Byron, N. Y., Sept. 1, 1888; *s.* Halsey and Anna (Bowles) K.; reared on farm; *m.* S. Gertrude Newkirk, Apr. 5, 1913; *c.* Merrill, Dorothy. B.S., Cornell Univ., 1912; M.S., 1913. Alpha Zeta; Gamma Alpha.

Knapp, J. Oliver, co. agrl. agt., Hinton, W. Va.
Asst. dairy dept., W. Va. Univ., 1914-5; princ. Richwood high-sch., W. Va., 1916-7. 2d Lieut., U. S. Army.—*b.* Greenbrier Co., W. Va., Dec. 19, 1892; *s.* W. F. and Virginia (Dunbar) K.; reared in country town. B.S.A., W. Va. Univ., 1915. Phi Sigma Kappa.

Kneeland, Hildegarde, prof. household econ., Kans. State Agr. Coll., Manhattan, Kans.
Asst. physics, Vassar Coll., 1911-2; instr. home econ., Univ. Mo., 1914-7; lect. sociol. and statistics, Barnard Coll., 1918-9; present position, 1919–.—*b.* Brooklyn, N. Y., July 10, 1889; *d.* Lawrence and Louise (Wenzel) K.; reared in city. A.B., Vassar Coll., 1911; grad. student Columbia Univ., Univ. Chicago. Pi Lambda Theta; Zeta Pi.

Knight, Albert Arthur, agrl. rep., Lindsay, Ont.
Farmer, Ont., 1911-2.—*b.* Brackenrig, Ont., Dec. 6, 1881; *s.* Thos. W. and Mary O. (Magor) K.; reared on farm; *m.* Jessie Skinner, Apr. 12, 1911; *c.* John Albert. B.S.A., Ont. Agr. Coll., 1909.

Knight, Charles Strongman, sec. Reno Chamber of Commerce, Reno, Nev.
Asst. feed and fert. insp., Univ. Wis., July-Dec., 1907; asst. agron., Kans. State Agr. Coll., 1908-9; instr. agron., Univ. Nev., 1909-10; asst. prof., 1910-2; supt. State Dry Farm, Elko Co., 1911-2; chief agrst., Nev. Sugar Co., 1912-3; prof. agron., Univ. Nev., 1913-20; dean Coll. Agr., 1914-20; dir. agrl. ext., 1914-5. State del. to 4th and 6th Intern. Dry-Farming Congresses; mem.

Jury awards, agr., Panama-Pacific Expos., 1915; chm. State Com. Food Production and Conservation, 1917; fed. state dir. Pub. Serv. Res., U. S. Dept. Lab., 1918; state leader Nev. War Gardens, 1918; mem. State Council of Defense, 1918.—*b.* Wis., July 11, 1884; *s.* John and Millie E. (Coad) K.; reared on farm; *m.* Virginia C. Kemler; *c.* three. B.S.A., Univ. Wis., 1907. Sigma Nu.

Knight, Harry Hazelton, asst. prof. ent., Univ. Minn. University Farm, St. Paul, Minn.

Instr. ent., Cornell Univ., 1914-7; present position, 1919–. Ent. and expert for Genesee Co., N. Y., Fruit Growers Assoc., 1913-6. 2d Lieut. Air Serv., U. S. Army, 1917-9, served with A. E. F.—*b.* Oregon Co., Mo., May 13, 1889; *s.* Wells G. and Emma E. (Lamb) K.; reared on farm and in town; *m.* Jessie Mae Kite, Aug. 4, 1919. B.S., Cornell Univ., 1914. Alpha Gamma Rho; Gamma Alpha.

Knight, Henry Granger, dean Coll. Agr. and dir. Exp. Sta., Okla. A. & M. Coll., Stillwater, Okla.

Instr. chem., Univ. Wash., 1901-2; asst. prof., 1903-4; prof. chem., Univ. Wyo., 1904-10; state chem., Wyo., 1904-11; dir. Exp. Sta. and prof. agrl. chem., 1910-8; dean Coll. Agr., 1912-8; present position, 1918–. *Auth.:* Notes on Qualitative Analysis, 1906. *Ed.,* Wyo. Farm Bull. until 1915. (Soils, chem.).—*b.* Bennington, Kans., July 21, 1878; *s.* Edwin Richard and Elva Maud (Edwards) K.; reared on farm; *m.* Nellie Elizabeth Dryden, June 28, 1905; *c.* Richard Dryden. B.A., Univ. Wash., 1902; M.A., 1904; Ph.D., Univ. Ill., 1917. Sigma Xi; Phi Beta Kappa; Alpha Zeta; Phi Gamma Delta; Phi Lambda Upsilon.

Knight, Howard Lawton, assoc. ed. Experiment Station Record, States Relations Serv., U. S. Dept. Agr., Washington, D. C.

Instr. chem., Mass. Agr. Coll., 1902-3; instr. English, 1903-4; asst. chem., Wesleyan Univ., 1904-5; asst. nutr. invest., U. S. Dept. Agr., 1904-6; asst. ed. Experiment Station Record, 1906-18; assoc. ed., 1918–. Treas. Amer. Home Econ. Assoc., 1911-2.—*b.* Gardner, Mass., Sept. 29, 1881; *s.* Willis E. and Lyra S. (Brigham) K.; reared on farm; *m.* Cora Isabelle Stickney, Aug. 29, 1906. B.S., Mass. Agr. Coll., 1902; Boston Univ., 1902. Alpha Sigma Phi; Phi Kappa Phi.

Knight, Lee Irving, head sect. plant physiol., Minn. Exp. Sta., University Farm, St. Paul, Minn.

Plant physiologist, W. Va. Agr. Exp. Sta., 1913-9; present position, 1919–.—*b.* Ill., Sept. 30, 1880; *s.* Geo. E. and Katherine (Merrill) K.; reared on farm and in city; *m.* Alice Graper, Sept. 11, 1915; *c.* Wm. Merrill. A.B., Univ. Ill., 1902; B.S., Univ. Chicago, 1909; Ph.D., 1913. Phi Beta Kappa; Sigma Xi; Gamma Alpha.

Knock, Frans Edwin, co. agrl. agt., Benson, Minn.

Teach. sci., high-sch., Cokato, Minn., 1912-3; agrl. dir. consolidated schs., Wheaton, 1915-8; agt. Swift Co., 1918–.—*b.* Gowrie, Ia., Jan. 21, 1882; *s.* Carl G. and Anna Louisa (Linquist) K.; reared on farm; *m.* Ruth Angelica Abrahamson, June 28, 1918. A.B., Gustavus Adolphus Coll., 1912; B.S. Agr., Univ. Minn., 1915.

Knollin, James Charles, ed. Orchard and Farm, 1111 S. Broadway, Los Angeles, Calif.

Manag. stock farm, E. Kans., 2 yrs.; asst. manag. live-stock and ranch business, Ida., 2 yrs. Asst. ed., agrl. sect., Los Angeles Times. (Live-stock, particularly sheep).—*b.* Kansas City, Mo., June 30, 1893; *s.* Albert Jason and Cora (Wells) K.; reared on farm and in city; *m.* Amy Elizabeth Axtell, June 30, 1915; *c.* Robt. Harper. Student Univ. Wis. Phi Kappa Sigma; Sigma Delta Chi.

Knorr, John William, co. agt. leader, N. Mex. A.&M. Coll., State College, N. Mex.

Chg. agrl. dept., Logan Co. high-sch., Stirling, Colo., 1913-4; sci. asst., U. S. Dept. Agr., 1914-5; agt. Eddy Co., N. Mex., 1915-8.—*b.* Chicago, Ill., Aug. 26, 1890; *s.* Wm. Franklin and Elizabeth (Burke) K.; reared in city and on farm; *m.* Ruth I. Brainard, July 15, 1915; *c.* John Wm. Jr., Rex Brainard. B.S., N. Mex. A.&M. Coll., 1913.

Knowles, Neale Short, state leader home dem. agts., Ia. State Coll., Ames, Ia.

Teach. city schs., Milwaukee, Wis., 1893-1900; teach. agrl. high-sch., Ala., 1904-7; head home econ. ext., Ia. State Coll., 1907–. Pres. State Home Econ. Assoc.; chm. home econ., Parent-Teach. Assoc.; chm. adv. com., State Fed. of Women's Clubs.—*b.* River Falls, Wis., 1868; *d.* Chas. G. and Janett K.; reared on farm and in town. Grad. Milwaukee-Downer Coll., 1904. Phi Kappa Phi; Omicron Nu.

Koch, Adele, asst. state home dem. agt., Univ. Minn., University Farm, St. Paul, Minn.

Dir. physical training, State Normal Sch., Millersville, Pa., 1907-8; Ind. Inst. and Coll., Columbus, Miss., 1908-10; State Normal Sch., Peru, Neb., 1912-5; asst. in cooking, Cornell Univ., 1916-7; present position, 1917–.—*b.* W. Point, Neb., Oct. 6, 1884; *d.* Ferdinand and Katie (Kuizel) K.; reared in village. A.B., Univ. Neb., 1905; M.A., Columbia Univ., 1916.

Kocher, Bruce P., co. agrl. agt., Moundsville, W. Va.

Formerly agt. Taylor Co., W. Va.; agt. Marshall Co., 1920–.—*b.* Mill Village, Pa., Mar. 14, 1892; *s.* Edward S. and Gertrude E. (Pickett) K.; reared on farm; *m.* Cora Louise Mitchell, Oct. 6, 1917; *c.* Richard Bruce. B.S., Cornell Univ., 1915.

Kolb, Roland A., co. agrl. agt., Medford, Wis.

b. Manitowoc, Wis., Oct. 12, 1884; *s.* Ernst and Emma (Steinhaus) K.; reared on farm; *m.* Elsa Clusen, June 4, 1912. B.S.A., Univ. Wis., 1909.

Korb, Paul P., co. agrl. agt., Wellsboro, Pa.

b. Troutville, Pa., Oct. 6, 1890; *s.* C. A. and Mary (Zilliox) K.; reared on farm; *m.* Ethel M. Coble; *c.* Thelma Myra, Owen Paul. B.S., Penn. State Coll., 1916.

Kraatz, Charles Henry, co. agrl. agt., Ironton, O.

Farmer, 4 yrs.; foreman fruit farm, 5 yrs.; asst. co. agt., N. Y., 1½ yrs. (Fruits and dairying).—*b.* Pembroke, N. Y., Sept. 17, 1879; *s.* Lewis J. and Ellen (Jesnow) K.; reared on farm; *m.* Elizabeth Parry, Oct. 19, 1905; *c.* Chas. Parry, Anna, Margaret, Elizabeth. B.S.A., Cornell Univ., 1901.

Kraege, Frederick Godfrey, co. agrl. agt., Palmyra, Mo.

(Dairying).—*b.* Winnebago Co., Wis., Mar. 26, 1863; *s.* Chas. L. and Ernestine K.; reared on farm; *m.* Laura A. Halsey, July 5, 1892; *c.* Halsey F., Carl A., Helen E., Myrtle A. B.L., Univ. Wis., 1889; M.L., 1895.

Kraft, J. Horace, assoc. prof. agrl. educ., Tex. A.& M. Coll., College Station, Tex.

Teach. rural schs., O., 2 yrs.; head biol. dept., high-sch., Alton, Ill., 3 yrs.; head biol. dept., Manual Training Sch., Washington Univ., 6 yrs.; in chg. agron., Univ. Ia., summers, 2 yrs.; dir. dept. agr., Colo. State Teach. Coll., 2 yrs.; present position, 1918–.—*b.* Anna, O., June 8, 1876; *s.* Wm. R. and Hannah (Clinehens) K.; reared on farm; *m.* Clara Belle Norcross, Aug. 21, 1906; *c.* Allan Tanner, Rita Lenora, Lois Norcross, Bernice. A.B., Oberlin Coll., 1906; B.S., Ia. State Coll., 1916; B.S. in Agrl. Educ., 1917.

Kraker, James Lewis, co. agrl. agt., Beulah, Mich.

Manufacturer fertilizer, 1½ yrs.; agrl. bact. and farm manag., 3 yrs.; supt. dehydration plant, 2 yrs.; agt. Benzie Co., Mich., 1919–. (Coop. marketing, fruit-growing).—*b.* Brooklyn, N. Y., June 25, 1889; *s.* Jas. and Sophia (Light) K.; reared in town; *m.* Dorothy Rogers, Sept. 1, 1917; *c.* Jas. L. Jr. B.S.A., Cornell Univ., 1912.

Kramer, Howard Earl, specialist in chg., food products insp. serv., Bur. Markets, U. S. Dept. Agr., Washington, D. C.

With United Fruit Co., Panama, 1 yr.; in fruit industry, Pacific Northwest, 8 yrs.; present position, 1917–. (Market insp. of perishable goods).—*b.* Elkhart, Ind., Sept. 23, 1882; *s.* H. J. and Elizabeth (Luce) K.; reared on farm. A.B., Harvard Univ., 1907.

Kranich, Frank Nicola Girard, manag. implement bearing div., Hyatt Roller Bearing Co., Michigan Blvd., Chicago, Ill.

Exptl. engin., J. I. Case Co., Racine; supt. expts., Belle City Mfg. Co., Racine, Wis.; dir. Madison Plow Co. Pres. Amer. Soc. Agrl. Engin.; chm. Agrl. Equipment Standards Com. (Agrl. engin.).—*b.* Sheboygan Co., Wis., Dec. 16, 1881; *s.* Frank A. D. and Kate M. (Mockley) K.; reared in country; *m.* Eva Lewis, Dec. 27, 1912; *c.* Lewis Girard, Bruce, Duane.

Kraus, Ezra Jacob, prof. applied bot., Univ. Wis., Madison, Wis.

Sci. asst., U. S. Dept. Agr., 1907-9; prof. research in hort., Ore. Agr. Coll. Exp. Sta., 1909-19; present position, 1919–.—*b.* Ingham Co., Mich., Mar. 19, 1885; *s.* Christian and Katherine F. (Baumgras) K.; reared in city. B.S., Mich. Agr. Coll., 1907; Ph.D., Univ. Chicago, 1917. Sigma Xi; Phi Beta Kappa; Gamma Alpha; Phi Eta; Alpha Zeta.

Krause, Edwin Henry, agrst., Valley City, O.

Farm manag., 1916-8; formerly asst. dairy manufacturing specialist, Univ. Neb.—*b.* Valley City, O., Mar. 4, 1891; *s.* Carl and Minnie (Baker) K.; reared on farm. B.Sc., Ohio State Univ., 1916.

Krauss, Frederick G., supt. ext. div., Hawaii Agr. Exp. Sta., Haiku, Maui Co., Hawaii.

Asst. bot., Univ. Calif., summer 1901; agrst., Kamehameha Sch., Honolulu, 1901-6; expert in agr., Hawaii Agr. Exp. Sta., 1906-11; prof. agron., Coll. Hawaii, 1911-5; present position, 1915–. Supt. Sunset Seed and Plant Co., San Francisco, 1895-8; farmer, Haiku. Pres. Haiku Farmers Assoc.; dir. Maui Co. Fair and Racing Assoc. Rice and cotton invests. in China and Japan, 1909. *Auth.:* The Sweet Pea Review, 1896; Leguminous Crops for Hawaii, 1912. Agrl. ed., Hawaiian Commercial Advertiser.—*b.* San Francisco, Calif., May 6, 1870; *s.* Frederick H. and Johannah (Kindervater) K.; reared in city and country; *m.* Elizabeth Hilmer, Oct. 1897; *c.* Dorothea H., Beatrice H., Frederick H., Noel H. Student Leland Stanford Jr. Univ., 1891-4; Univ. Calif., 1898-1901.

Krausz, Harry Barrett, farm for. specialist, N. C. Agrl. Ext. Serv., Raleigh, N. C.

Asst. to state for. Tex. and assoc. in for., Tex. A. & M. Coll., 1917; for., Great Southern Lumber Co., Bogalusa, La., 1918. 1st Lieut., Engineers, U. S. Army.—*b.* Baltimore, Md., Apr. 28, 1886; *s.* Harry Barrett and Elizabeth (Barett) K.; reared in city; *m.* Frances Myrtle Lewis, Apr. 28, 1917; *c.* Margaret Elizabeth. Univ. Va., 1910; Yale For. Sch., 1916.

Kraybill, Henry Reist, prof. agrl. chem. and chem. Exp. Sta., N. H. Coll., Durham, N. H.

Asst. in expl. agrl. chem., Penn. State Coll., 1913-5; instr. agrl. chem., 1915-7; asst. physiologist, Bur. Plant Ind., U. S. Dept. Agr., 1917-9; present position, 1919–.—*b.* Mt. Joy, Pa., May 1, 1891; *s.* Samuel Snyder and Mary (Reist) K.; reared on farm; *m.* Ruth Grove, 1916; *c.* Henry Lawrence. B.S., Penn. State Coll., 1913; M.S., Univ. Chicago, 1915; Ph.D., 1917. Sigma Xi; Phi Kappa Phi; Phi Eta; Alpha Zeta.

Kriger, Lewis Herman, instr. agr., high-sch., Ft. Fairfield, Me.

Instr. agr., Fryeburg Acad., 1916-7; Ft. Fairfield, 1917–. (Potatoes).—*b.* Portland, Me., Jan. 2, 1894; *s.* Joseph H. and Ida G. (Davis) K.; reared on farm and in city. B.S., Univ. Me., 1916. Phi Epsilon Pi.

Krome, William J., constructing engin., Fla. East Coast Ry., Homestead, Fla.

Fruit-grower, Dade Co., Fla., 1902–. Mem. adv. com., Fla. State Plant Bd., 1915-6. Vice-pres. Fla. State Hort. Soc., 1915-20; pres. Dade Co. Growers League, 1914-20; dir. Fla. State Growers League, 1915-8; pres. Coral Reef Nurseries Co., 1916-20. (Subtrop. hort., particularly avocados and mangos).—*b.* Edwardsville, Ill., Feb. 14, 1876; *s.* Wm. H. and Medora (Gillham) K.; reared in town; *m.* Isabelle G. Burns, Nov., 1910; *c.* Mary Elizabeth, Wm. H., Robt. G., John E. Cornell Univ., 1899. Delta Kappa Epsilon.

Krueck, W. B., asst. prof. an. husb., Purdue Univ., LaFayette, Ind.

Sec. Ind. Stallion Enrollment Bd.—*b.* Carrolville, Wis., Nov. 15, 1890; *s.* Jacob and Lena (Freitag) K.; reared on farm; *m.* F. Edna Shafer, Dec. 8, 1917; *c.* Jean Catherine. B.S., Univ. Wis., 1916.

Kruse, Paul J., prof. rural educ., Cornell Univ., Ithaca, N. Y.

Princ. schs., Stanwood, Ia., 1906-9; supt. schs., Mapleton, 1910-2; instr. educ., Univ. Wash., 1913-6; present position, 1917-. In Trade Test Div., Com. on Classification of Personnel in Army, 5 mos. *Auth.:* The Overlapping of Attainments in Certain Sixth, Seventh and Eighth Grades, 1918. (Educational psychology).—*b.* Boone, Ia., Sept. 7, 1883; *s.* L. A. and Josephine (Johnson) K.; *m.* Alice E. Manney, 1912; *c.* Kermit. B.S., State Univ. of Ia., 1906; A.M., Univ. Wash., 1913; Ph.D., Columbia Univ., 1917.

Kuhlman, Arthur Henry, assoc. prof. an. husb., S. D. State Coll., Brookings, S.D.

Asst. an. husb., Univ. Wis., 1910-3; instr., 1914-7; emergency dem. agt., Dodge Co., 1917-8; present position, 1918-. Mem. firm Kuhlman Bros., Lowell, Wis., breeders of Holstein-Friesian cattle and Chester-White swine. Sec. Wis. Chester-White Swine Breeders Assoc., 1911-8. Traveled in Europe, 1914.—*b.* Lowell, Wis., Jan. 1, 1886; *s.* Fred and Anne (Henke) K.; reared on farm; *m.* Ruth Aleen Naugle, Mar. 12, 1914; *c.* Aleen Winifred, Frederick John, Helen Louise. B.S., Univ. Wis., 1910; M.S., 1916. Alpha Zeta.

Kumlien, Wendell F., co. agrl. agt., Spearfish, S. D.

Princ. Parker high-sch., Moradabad, India, 1911-5; princ. 4th distr. schs., Appleton, Wis., 1916-7; agrl. agt. Lawrence Co., S. D., 1917-. Traveled Europe, 1911; India, Malaysia, China, Japan, 1915.—*b.* Sumner, Wis., May 1, 1888; *s.* T. V. and Alice (Langworthy) K.; reared on farm; *m.* Eva M. Theleen, Oct. 18, 1913; *c.* Mary Alice, Margaret Olive. B.A., Lawrence Coll., Appleton, Wis., 1911; studied Univ. Wis., 1915-6.

Kunze, Emil Leo, co. agrl. agt., Sault Ste. Marie, Mich.

Instr. agr., Dowagiac high-sch., Mich., 1914-5; Cass Co. Normal Sch., 1915-6; attendance officer, Bd. Educ., Detroit; instr. citizenship and English, Detroit Evening Schs., 1916-7; present position, 1917-.—*b.* E. Tawas, Mich., Jan. 8, 1890; *s.* E. Ernest and Agusta (Wachholz) K.; reared on farm and in town; *m.* Gladys Hibbard. B.Sc., Mich. Agr. Coll., 1914.

Kyle, Edwin Jackson, dean Sch. Agr., Tex. A. & M. Coll., College Station, Tex.

Asst. prof. hort., Tex. A. & M. Coll., 1902-5; prof., 1905-; dean Sch., Agr., 1911-. Farmer, 1910-. *Auth.:* Fundamentals of Farming and Farm Life, 1912.—*b.* Kyle, Tex., July 22, 1876; *s.* Ferg and Anna (Moore) K.; reared on farm; *m.* Alice Erwin Myers, Dec. 21, 1904; *c.* Lily Bess. B.S., Tex. A. & M. Coll., 1899; B.S.A., Cornell Univ., 1901; M.S.A., 1902. Alpha Zeta.

Kyzer, Willard Tindall, co. agrl. agt., Kinston, N. C.

Teach. agr. and sci., Forrest Co. Agrl. High-Sch., Brooklyn, Miss., 1913-4; teach. agr. and woodwork, Berry Sch., Rome, Ga., 1914-6; agrst. and ind. agt., Norfolk Southern R. R., Norfolk, Va., 1916-7; agt. Lenoir Co., N. C., 1917-. —*b.* Lexington, S. C., May 9, 1891; *s.* J. E. R. and Anna M. (Meetze) K.; reared on farm. B.S.A., Clemson Agr. Coll., 1913.

L

Lackie, Harry M., ext. prof. an. husb., Univ. Wyo., Laramie, Wyo.

Asst. prof. an. husb., Ia. State Coll., 1915-7; ext. asst. prof., 1917; poultry specialist, Bur. An. Ind., U. S. Dept. Agr., 1919. With Coast Artillery Corps, U. S. Army, 1918.—*b.* Bradford, Ill., Jan. 4, 1891; *s.* Richard Y. and Annie (Buswell) L.; reared on farm. B.S.A., Ia. State Coll., 1915. Phi Kappa Phi; Gamma Sigma Delta; Tau Kappa Epsilon.

Lacy, Frank Howard, co. agrl. agt., Poughkeepsie, N. Y.

Teach. agr., high-sch., Tully, N. Y., 1910-1; Millbrook, 1912-3; agt. Duchess Co., 1913-.—*b.* Stanley, N. Y., Jan. 2, 1886; *s.* Ira E. and Rose S. (Witter) L.; reared on farm; *m.* Clara Mabel Ransom, Sept. 5, 1911; *c.* Mabel Elizabeth, Evelyn Rose, Theodora Esther. B.S.A., Cornell Univ., 1912.

Lacy, Mary Goodwin, research asst., Scripps Econ. Bur., Washington, D. C.

Librarian, Va. Poly. Inst., 1903-10; asst., Library U. S. Dept. Agr., 1910-3; reference librarian, 1913-9; agrl. li-

brarian, Ia. State Coll., 1919; present position, 1920–. (Agrl. literature, corn bibliography).—*b.* Point Pleasant, W. Va., Jan. 14, 1875; *d.* T. H. and Mary Baldwin (Goodwin) L.; reared in town. Grad. Stuart Hall, Staunton, Va., 1895.

Ladd, Carl Edwin, dir. N. Y. State Sch. Agr. at Alfred Univ., Alfred, N. Y.
Instr., Cornell Univ., 1912-5; dir. State Sch. Agr., Delhi, 1915-7; specialist in agrl. educ., N. Y. State Educ. Dept., Albany, 1917-9; present position, 1919–. (Rural educ., rural econ.). —*b.* McLean, N. Y., Feb. 25, 1888; *s.* Arnold D. and Mary E. (Mineah) L.; reared on farm; *m.* Camilla M. Cox, Mar. 9, 1912; 2d, Lucy Frances Clark, July 16, 1918; *c.* Elizabeth Marie, Carl Edson. B.S.A., Cornell Univ., 1912; Ph.D., 1915.

Ladd, Edwin Freemont, pres. N. D. Agr. Coll., Agricultural College, N. D.
Chem., N. Y. Agr. Exp. Sta., 1884-90; prof. chem., N. D. Agr. Coll., 1890–; chem., Exp. Sta., 1890–; pres., 1916–. Fed. food adminis., 1917-9; mem. Fed. Com. to fix price for wheat, 1917. Fellow A. A. A. S. Pres. Assoc. Official Agrl. Chems. *Auth.:* Manual of Analysis, 1898; Mixed Paints, 1908. *Ed.,* North Dakota Farmer.—*b.* Starks, Me., Dec. 13, 1859; *s.* John and Rosilla (Locke) L.; reared on farm; *m.* Rizpah Sprogle, Aug. 16, 1893; *c.* Rizpah, Katherine, Rosilla, Culver, Vernon, Milton, Elizabeth, Virginia. B.S., Univ. Me., 1884; LL.D., 1915. Phi Gamma Delta.

Laing, Andrew, clergyman, Fordwich, Ont.
Farmer, western Canada, 1908-10, 1911. (Rural problems).—*b.* Ont., Jan. 26, 1878; *s.* Geo. and Sarah Jane (Cook) L.; reared on farm; *m.* Millie Belle Gorby, June 4, 1913; *c.* Margie Gorby, Andrew Jordan. B.A., Queens Univ., Kingston, Ont., 1907; grad. theol., 1912.

Lake, Charles Capwell, co. agrl. agt., Red Lake Falls, Minn.
Teach. agr., high-sch., Stephen, Minn., 1916-7; Argyle, Minn., 1917-8. (Dairying).—*b.* W. Union, Ia., Oct. 4, 1884; *s.* Chas. P. and Nellie (Capwell) L.; reared on farm; *m.* Lily Gillespie, June 2, 1917; *c.* Charlotte G. B.S., Ia. State Coll., 1912.

Lake, Edward Ralph, pom., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.
Instr. bot., Mich. Agr. Coll., 1885-8; prof. bot. and hort., Ore. Agr. Coll., 1888-91; prof. bot. and hort., Wash. State Coll., 1891-4; prof. bot. and hort., Ore. Agr. Coll., 1898-1905; prof. bot. and for., 1905-10; present position, 1910–. Mem. Ore. House of Rep.; Ore. Conservation Comn.; regent Ore. Agr. Coll. Del. Nat. Republican Convention, 1896. Sec. Amer. Pom. Soc., 1912–. Sent to Europe, 1900, as agt. Dept. Agr. to investigate prune industry.—*b.* England, May 16, 1860 (naturalized 1906); *s.* Geo. and Elizabeth (Seaton) L.; reared in country; *m.* Lillian May Stryker, Sept. 19, 1888; *c.* Roscoe Verne. B.S., Mich. Agr. Coll., 1885; M.S., 1888. Phi Delta Theta.

Lambert, Daniel Joseph, ext. agt. in poultry husb., R. I. State Coll., Kingston, R. I.
Poultry farmer, 20 yrs.—*b.* Cranston, R. I., Oct. 14, 1860; *s.* Daniel and Mary (Hulme) L.; reared on farm; *m.* Fannie Leigh, Dec. 8, 1886; *c.* Clara Alice, Leroy Leigh, Daniel J. Jr.

Lambert, J. Carlos, co. agrl. agt., Metropolis, Nev.
Dairyman, Utah Dairy and Food Comn., 1911-4; dry-farm expert, Nev. Agr. Bd., 1917-8.—*b.* Kamas, Utah, Feb. 12, 1887; *s.* John C. and Leva (Anderson) L.; reared on farm; *m.* Laura Seymour, Sept. 23, 1908; *c.* Beth, Wendell, Darwin, Ruth. B.S., Utah Agr. Coll., 1911.

Lamon, Harry Miles, sr. poultryman, Bur. An. Ind., U. S. Dept. Agr., Washington, D. C.
Practical poultryman, 20 yrs. *Auth.:* The Mating and Breeding of Poultry, 1920; Practical Poultry Production, 1920.—*b.* Watertown, N. Y., Aug. 16, 1872; *s.* John Jay and Helen Mendora (Ball) L.; reared in city and on farm; *m.* Anna Hale.

Lamson, George Herbert Jr., prof. zool., Conn. Agr. Coll., Storrs, Conn.
Prof. biol., Tarkio Coll., 1905-6; instr. zool., Conn. Agr. Coll., 1906-10; prof., 1910–; econ. zool., Exp. Sta., 1908–. (Parasitology, incubation).—*b.*

Malden, Mass., Apr. 8, 1882; *s.* Geo. H. and Sarah J. (Liscombe) L.; reared in town; *m.* Kate Arroll, July 27, 1909; *c.* Arroll L. B.S., Conn. Agr. Coll., 1902; Mass. Agr. Coll., 1903; M.S., Yale Univ., 1905.

Lamson, John Bowman, agrst., Chicago, Burlington and Quincy Railroad, 547 W. Jackson Boulevard, Chicago, Ill.

Agrl. ext. div., Univ. Minn., 1911-2; present position, 1912–.—*b.* Fairfield, Ia., Dec. 3, 1887; *s.* Ralph Waldo and Mary (Bowman) L.; reared on farm and in town; *m.* Mary Stuart Allison, Sept. 2, 1914; *c.* John Stuart, Mary Jane. B.S., Ia. State Coll., 1911. Delta Upsilon; Alpha Zeta.

Lamson-Scribner, Frank, agrostologist, U. S. Dept. Agr., Washington, D. C.

Special agt. in chg. mycological sect. Bot. Div., U. S. Dept. Agr., 1886; chief sect. veg. path., 1887; prof. bot., Univ. Tenn., 1888-94; dir. Exp. Sta., 1890-4; chief div. agrostology, U. S. Dept. Agr., 1894-1901; chief Insular Bur. Agr., Philippine Isls., 1901-4. Fellow A. A. A. S.; Chevalier du Merite Agricole, France, 1889. Expert on exhibits, U. S. Dept. Agr., 1913–. Translator, The True Grass, 1880.—*b.* Cambridgeport, Mass., Apr. 19, 1851; *s.* Joseph H. and Ellen E. (Winslow) L. (adopted by family named Scribner); *m.* Ella Augusta Newmarch, 1877 (d. 1908); 2d, Marjorie Flemming Anderson, 1913; *c.* Allen, Frank, Louise. B.S., Univ. Me., 1873.

Lancaster, Dabney Stewart, prof. agrl. educ., Va. Poly. Inst., Blacksburg, Va.

Assoc. master, Chamberlayne Sch. for Boys, Richmond, Va., 1911-2; asst. an. husb. and instr. modern languages, Va. Poly. Inst., 1914-5; instr. an. husb., 1915-6; instr. agr., Univ. Va., summers 1914-5; agrl. research scholar, Univ. Mo., 1916-7; assoc. prof. an. husb., Va. Poly. Inst., 1917-8; prof. and head dept. agrl. educ., 1918–. Traveled in Europe, 1911. *Assoc. ed.*, Va. Journal of Education, 1918–.—*b.* Richmond, Va., Oct. 11, 1889; *s.* Robt. Alexander and Williamine Cabell (Carrington) L.; *m.* Mary Tabb Crump, June 12, 1915; *c.* Mary Tabb, Williamine Carrington, Elizabeth Tayloe. B.A., Univ. Va., 1911; M.S., Va. Poly. Inst., 1915. Delta Tau Delta.

Lancaster, Robert Roy, asst. co. agt. leader, Colo. Agr. Coll., Ft. Collins, Colo.

Sergeant of cavalry and sergeant of field artillery, regular U. S. Army, 1905-11, 2 yrs. in Hawaiian Isls. Farmer, Kans., 6 yrs.; co. agt., Rupert, Ida., 2 yrs.—*b.* Sheldon, Mo., Apr. 8, 1887; *s.* Robt. F. and Hattie G. (Stevenson) L.; reared on farm. B.S.A., Kans. State Agr. Coll., 1916. Sigma Nu.

Landess, William McKenzie, co. agrl. agt., Chamber of Commerce, Memphis, Tenn.

La. State Livestock Bd., 1911; Univ. Ga., 1912; farmer, Tenn., 1912-5. 2d Lieut. Field Artillery, U. S. Army, 1918. —*b.* Fayetteville, Tenn., Sept. 13, 1888; *s.* Wm. Jas. and May (Boone) L.; reared on farm; *m.* Mabel O. Keith, Oct. 1, 1912; *c.* Wm. J., David Keith, Louise. B.S.A., Univ. Mo., 1910. Sigma Xi.

Lane, Charles Homer, asst. dir. for agrl. educ., Voc. Educ. Div., Fed. Bd. for Voc. Educ., Washington, D. C.

Prof. biol., Washington Coll., Tenn., 1905-7; asst. agron. and agrl. chem., Univ. Tenn., 1907-9; instr. agron., 1909-10; in chg. dept., 1910-1; asst. agrl. educ., U. S. Dept. Agr., 1911-2; in chg. div. agrl. educ., 1912-7; fed. agt. for agrl. educ., Fed. Bd. for Voc. Educ., 1917-9; present position, 1920–. Pres. dept. rural and agrl. educ., Nat. Educ. Assoc., 1917-8; sec. Amer. Assoc. for Advancement of Agrl. Teaching, 1916-7. *Ed.*, Southern Farm Advocate.—*b.* Boston, Mass., July 17, 1877; *s.* John and Eliza (Wall) L.; reared in city and on farm; *m.* Ida West, 1907; *c.* Marion, Dorothy Marjorie, John. B.A., Mt. Allison Univ., Sackville, N. B., 1903; M.A., 1908; B.S.A., Univ. Tenn., 1909. Phi Kappa Phi.

Lane, Clarence Bronson, chg. sci. dept. and vice-pres. Supplee Wills Jones Milk Co., Philadelphia, Pa.

Asst. farm exps., Storrs Exp. Sta., 1890-5; asst. agr., 1895-6; dairy husb., N. J. Exp. Sta., 1896-1903; asst. chief Dairy Div., U. S. Dept. Agr., 1903-9. *Auth.*: The Business of Dairying, 1909. —*b.* Killingworth, Conn., Jan. 6, 1870;

s. J. Harvey and Angenette (Barnum) L.; reared on farm; m. Nellie L. Lefferts, Aug. 21, 1901; c. Lowell L., Clarence B. Jr. B.S., Mass. Agr. Coll. and Boston Univ., 1895. Phi Kappa Phi.

Lane, George, stockman and farmer, Calgary, Alta.
Stockman and rancher, Mont., 1876-83; foreman Bar U Ranch, 1884-90; partnership owner, 1890–; pres. Geo. Lane & Co. Stock and Farming Corp., 1916–; pres. Alta. Flour Mills Co., 1917–; pres. Canadian Thoroughbred Horse Breeders Assoc. Mem. Alta. Legislature, 1913–. (Percheron horses).—b. Des Moines, Ia., Mar. 9, 1856 (naturalized in Canada 1887); s. J. W. and Julia L.; reared on farm; m. Elizabeth Sexsmith, 1885; c. Lillian, Mabel, Ernest, Roy, Elsie, Mildred, Clifton, Geo.

Langenbacher, R. A., co. agrl. agt., Butler, Mo.
Asst. plant path., U. S. Dept. Agr., 1917-9; present position, 1919–. Ed., Bates Co. Farm Bur. News. (Dairying).—b. Aberdeen, S. D., Aug. 27, 1892; s. Adam and Frances (Beal) L.; reared on farm; m. Georgia Elliot. Student Univ. Minn., 1914-7.

Langworthy, Charles Ford, chief Off. Home Econ., U. S. Dept. Agr., Washington, D. C.
Asst. and instr. chem., Wesleyan Univ., Conn., 1893-5; assoc. ed. Experiment Station Record, 1895–; expert in nutr., later chief nutr. invest., U. S. Dept. Agr., 1895-1905; chief Off. Home Econ., 1905–. Fellow A. A. A. S.; mem. Société Scientifique d'Hygiène Alimentaire, Paris.—b. Middlebury, Vt., Aug. 9, 1864; s. Chas. P. and Ann E. (Ford) L.; reared in small town. A.B., Middlebury Coll., 1887; A.M., 1890; Ph.D., Strassburg Univ., Germany, 1893; D.Sc., Middlebury Coll., 1912. Delta Kappa Epsilon.

Lanham, William Bradford, asst. dir. ext. serv., Tex. A. & M. Coll., College Station, Tex.
Hort., Sutherlin Land and Water Co., 1908-10; hort., Lewiston, Clarkston Improvement Co., Clarkston, Wash., 1910-2; supt. McIntosh Manor, Lolo, Mont., 1912-4; ext. hort., Tex. A. & M. Coll., 1915-6; chief plant ind. div., 1916-8; state leader specialists, 1918-9; present position, 1919–. Sec.-treas. Tex. State Hort. Soc. (Hort.).—b. Boone Co., Mo., June 27, 1882; s. J. O. and Alice Elizabeth (Baldridge) L.; reared on farm; m. Clarice Maud Lyman, Nov. 25, 1910; c. Clarice Elizabeth, Wm. B. Jr. B.S.A., Univ. Mo., 1907; A.M., 1917.

Lantis, Lee Ora, asst. prof. rural econ., Ohio State Univ., Columbus, O.
Teach. public schs., O., 14 yrs.; teach. acad., Miami Univ., Oxford, O., 2 yrs.; present position, 1916–.—b. Gratis, O., July 8, 1875; s. John and Lydia (Lesh) L.; reared on farm; m. Bessie Ames, Sept. 1905; c. Margaret Lydia. A.B., Miami Univ., 1899; A.M., 1901. Phi Beta Kappa; Beta Theta Pi.

Lantz, Cyrus William, asst. prof. bot. and hort., Univ. Nev., Reno, Nev.
Asst. bot., Univ. Ill., 1913-4; present position, 1917–. Sergeant Med. Corps, U. S. Army, 1918-9.—b. Brooklyn, Ill., June 27, 1889; s. Thos. A. and Clara Jane (Horney) L.; reared on farm; m. Myra Armstrong, July 29, 1919. A.B., Univ. Ill., 1913; A.M., 1914. Sigma Xi.

Lantz, Harvey L., asst. chief in pom., Ia. Exp. Sta., Ames, Ia.
Teaching fellow hort., Ia. State Coll., 1916-7; asst. in fruit breeding, Ia. Exp. Sta., 1917-8; present title, 1918–.—b. Carlock, Ill., Sept. 24, 1888; s. John K. and Lydia M. (Lantz) L.; reared on farm; m. Ona Harriet Searles, Apr. 24, 1919. B.S., Ore. Agr. Coll., 1916; M.S., Ia. State Coll., 1918. Alpha Zeta; Gamma Sigma Delta.

Lapham, Macy Harvey, insp. soil survey, Western Div., U. S. Bur. Soils, Federal Bldg., Berkeley, Calif.
b. Okemas, Mich., Apr. 10, 1874; s. Harvey and Maria (Morrison) L.; reared on farm; m. Beulah Pearl Haskins, Apr. 8, 1903; c. Mary Kathleen. B.S., Mich. Agr. Coll., 1899.

Lapp, William Henry, ext. prof. poultry husb., Ia. State Coll., Ames, Ia.
b. Cleveland, O., Aug. 29, 1893; s. Chas. W. and Minnie (Binger) L.; reared on farm and in city. B.S.A., Ohio State Univ., 1916; M.S., 1917. Alpha Zeta.

Larmon, Charles W., dir. Bur. Statistics, Dept. Farms and Markets, Albany, N. Y.

Mem. N. Y. Assembly, 1889-90; with State Dept. Agr., 1905-19. Mem. N. Y. State Immigration Comn., 1907-8. Farmer, 1902–. Vice-pres. and manag., Denver Reservoir Irrig. Co., Colo.—*b.* Eagle Bridge, N. Y., Aug. 5, 1857; *s.* John and Laura Francis (King) L.; reared on farm; *m.* Susie M. Culver, Oct. 24, 1884; *c.* Frances M.

Larrimer, Walter Harrison, sci. asst., Bur. Ent., U. S. Dept. Agr., Box 95, W. LaFayette, Ind.

Instr. Field Artillery, U. S. Army, 1918-9.—*b.* Bloomingburg, O., Feb. 23, 1889; *s.* Henry T. and Rachel Ann (Roebuck) L.; reared on farm; *m.* Emma Cheslye Long, Nov. 18, 1918. B.S., Ohio State Univ., 1913; M.S., 1920. Alpha Pi Upsilon.

Larsen, Christian, prof. dairy husb. and dir. agrl. ext., S. D. State Coll., Brookings, S. D.

Teach. country schs.; teach. Mass. Agr. Coll., winter, 1901-2; instr. and assoc. prof. dairy husb., Ia. State Coll., 1902-6; prof., Utah Agr. Coll., 1906-7; prof. dairy husb., S. D. State Coll., 1907-18; present position, 1918–. Supt. dem. trains in S. D. Studied agrl. and dairy conditions in Europe, 1899-1900. *Auth.:* Principles and Practice of Buttermaking, 1908; Dairy Technology, 1910; Exercises in Farm Dairying, 1914; Farm Dairying, 1919. *Ed.*, dairy dept. in The Dakota Farmer; former ed., Ia. dept., Dairy Record; creamery dept., Creamery Journal.—*b.* Odense, Denmark, Aug. 4, 1874 (naturalized 1897); *s.* Hans and Marie (Frydendahl) L.; reared on farm; *m.* Elsie M. Finch, Aug. 4, 1903; *c.* Thorwald H., Harold C., Alice M., Lillian. B.S.A., Ia. State Coll., 1902; M.S.A., 1904.

Larsen, Harvey Earl, chg. local market reporting serv., U. S. Bur. Markets, 139 N. Clark St., Chicago, Ill.

Asst. princ. high-sch., Shawano, Wis., 1911-2.—*b.* Clintonville, Wis., Oct. 8, 1888; *s.* Jacob C. and Marie (Peterson) L.; reared on farm; *m.* Mary Agnes Schneider, May 17, 1917. A.B., Ripon Coll., Wis., 1911; M.S., Univ. Wis., 1915.

Larson, Carl William, asst. prof. agr. and agrl. econ., Columbia Univ., New York, N. Y.

Instr. dairying, Penn. State Coll., 1907-9; asst. prof., 1909-13; prof. in chg. dept. dairy husb., 1913-6; present position, 1916–; asst. chief, Dairy Div., Bur. An. Ind., U. S. Dept. Agr., 1917—(on leave from Columbia). Sec. Official Dairy Instrs. Assoc.; sec. Pa. Dairy Union. Del. to Dairy Congress, Stockholm, 1911. Studied dairy conditions in Europe, 1911. *Auth.:* (with Putney) Dairy Cattle Feeding and Management, 1917; Milk Production Cost Accounts, Principles and Methods.—*b.* St. Ansgar, Ia., May 29, 1881; *s.* Henry and Minnie (Hansen) L.; reared on farm; *m.* Nellie C. Wallace, Sept. 7, 1911; *c.* Eileen. B.S.A., Ia. State Coll., 1906; M.S., Penn. State Coll., 1913; Ph.D., Columbia Univ., 1916. Sigma Xi; Alpha Zeta.

Larson, Elmer August, co. agrl. agt., Mora, Minn.

b. Murdock, Minn., Mar. 26, 1890; *s.* John M. and Christine (Peterson) L.; reared on farm; *m.* Myrna Pressnell, Apr. 27, 1916; *c.* Thos. John, Mary Virginia. Grad. Univ. Minn., 1914.

Larson, John Elmer, head serv. dept., Portland Seed Co., Portland, Ore.

Assoc. ed., Northwest Farmstead, Minneapolis, 1912-3; agrl. agt., Spink Co., S. D., 1913-5; ext. assoc. prof. agron., Ore. Agr. Coll., 1914-8; present position, 1918–.—*b.* Lockbridge, Ia., July 6, 1883; *s.* John and Barbara (Graber) L.; reared on farm; *m.* Mary Anna Wilkins, June 5, 1912; *c.* Richard John, Marceline Anne. B.S., S. D. State Coll., 1912.

Lassetter, William Casper, dir. ext., Univ. Ark., Fayetteville, Ark.

Asst. agron., Ohio State Univ., 1909-10; instr. agron., Univ. Ark., 1910-2; asst. prof., 1912-4; prof., 1914-5; asst. dir. ext., 1915-7; dir., 1917–. (Rural econ.).—*b.* Villa Rica, Ga., Aug. 31, 1887; *s.* J. G. W. and Mary (Barnett) L.; reared on farm; *m.* Irma Lee Hamby, Dec. 16, 1916. B.S.A., Univ. Wis., 1909. Alpha Zeta; Phi Lambda Upsilon.

Latham, David LeRoy, co. agrl. agt., Jacksonville, N. C.

Farm supt., Washington, N. C., 1910-1; farmer, 1912-3; asst. supt. coll. farm, Wilson, N. C., 1914-5; asst. milk and dairy insp., Rainey Dairy, Richmond, Va., 1916; agrl. agt., Onslow Co., N. C., 1919-.—*b.* Bath, N. C., Mar. 13, 1894; *s.* John Franklin and Rhoda Elizabeth (Oden) L.; reared on farm; *m.* Rosamonde Aline Swain, Feb. 10, 1917; *c.* Altah Ernestine. Student Atlantic Christian Coll., N. C. State Coll. Kappa Alpha.

Latta, William Carroll, farmers inst. specialist, Purdue Univ., LaFayette, Ind.

Instr. agr. and supt. farm, Purdue Univ., 1882-3; prof., 1883-1911; present position, 1911-.—*b.* Union Mills, Ind., Mar. 9, 1850; *s.* Robt. S. and Mary (Tumbleson) L.; reared on farm; *m.* Alta E. Wood, July 10, 1879; *c.* Bertha, Robt., Pauline, Mary. B.S., Mich. Agr. Coll., 1877; M.S., 1882.

Lauck, William Henry, co. agrl. agt., 121 E. Pikes Peak Ave., Colorado Springs, Colo.

b. Stephenson Co., Ill., Jan. 6, 1880; *s.* Peter H. and Christina (Kurtz) L.; reared on farm; *m.* Lucy M. Jackson; *c.* W. Clarence, L. Hazel, H. Gladys, F. Roeding. E. Jesse.

Laude, Hilmer Henry, agron., Tex. Exp. Sta., College Station, Tex.

Asst. agron., Kans. State Agr. Coll., 1911-3; co. agrl. agt., Mo., 1913-4; supt. Agr. Exp. Substa., Beaumont, Tex., 1914-8; present position, 1919-.—*b.* Rose, Kans., July 9, 1887; *s.* G. A. and Henrietta (Meyer) L.; reared on farm; *m.* Edna Gertrude Horton, Apr. 16, 1913; *c.* Horton Meyer. B.S., Kans. State Agr. Coll., 1911; M.S., Tex. A. & M. Coll., 1918.

Lauman, George Nieman, prof. rural econ., Cornell Univ., Ithaca, N. Y.

Instr. rural econ., Cornell Univ., 1903-5; asst. prof., 1905-9; prof., 1909-. Fellow A. A. A. S. Mem. Amer. comn. to study rural credits in Europe, 1913.—*b.* Pittsburgh, Pa., Feb. 15, 1874; *s.* A. H. and A. M. L. (Havekotte) L.; reared in city; *m.* Frances Addison Wheeler, June 1912; *c.* Frances W., Geo. W., Mary W., Henry W. B.S.A., Cornell Univ., 1897.

Law, James, veterinarian, Ithaca, N. Y.

Prof. anat. and materia medica, Edinburgh New Vet. Coll., 1860-5; prof. anat., Albert Vet. Coll., London, 1865-7; prof. vet. sci., Cornell Univ., 1868-96; dir. and dean N. Y. State Vet. Coll., 1896-1908; emeritus, 1908-. Consulting vet., N. Y. State Agrl. Soc., 1868-96; chm. U. S. Treasury cattle comn., 1882-3; field chief, Bur. An. Ind., for extinction cattle lung plague in Ill. and N. Y., 1887-8. Pres. Amer. Vet. Med. Assoc., 1906-7. *Auth.:* General and Descriptive Anatomy of Domestic Animals, 2 vols.; Farmers' Veterinary Adviser; Text Book of Veterinary Medicine, 5 vols.—*b.* Edinburgh, Scotland, Feb. 13, 1838; *s.* John and Grace (Turner) L.: *m.* Elizabeth Crichton, May 4, 1863; *c.* Celia A., Grace, Julia. Educ. Edinburgh Vet. Coll., Univ. and Coll. of Surgeons, l'Ecole Veterinaire, Alfort, Paris, l'Ecole Veterinaire, Lyons, France. V.S., Highland and Agrl. Soc. Vet. Bd., 1857; M.R.C.V.S., Royal Coll. of Vet. Surgeons, 1863; F.R.C.V.S., 1870.

Lawrence, Jay Washington, farmer and breeder Shorthorn cattle, Coshocton, O.

Lect. at farmers insts. and farm dem.—*b.* Coshocton Co., O., Mar. 28, 1895; *s.* D. C. and Lulu (Karr) L.; reared in country.

Lawton, Jay Waldemar, manag. Underwood Farms, Lake City, Minn.

Formerly co. agrl. agt., Wabasha, Minn. Originator of the Lawton seed-corn tester, given to the public without patent rights. *Auth.:* The Awakening, 1914.—*b.* Viola, Wis., Mar. 7, 1891; *s.* J. W. and Sarah (Saubert) L.; reared on dairy farm; *m.* Mollie Thoreson, July 29, 1916; *c.* Beatrice June. B.S.A., Univ. Wis., 1914.

Lay, Stewart Ward, prof. agr., State Sch. Sci., Wahpeton, N. D.

Instr. voc. agr., high-sch., Pittsfield, N. H., 1917-8; princ. and instr. voc. agr., high-sch., Delaware City, Del., 1919; present position, 1920-. Private U. S. Army, 1918.—*b.* Buffalo, N. Y., Sept. 5, 1894; *s.* Gilbert S. and Hattie E. (Schryver) L.; reared in city; *m.* Evelyn G. Porter, Apr. 20, 1918; *c.* Virginia Jane. B.S.A., Syracuse Univ., 1917. Theta Alpha.

Lazar, Jamie Tarlton, co. agrl. agt., Whiteville, N. C.

Teach. agr., Wilson Co. Farm Life Sch., N. C. 1915-6; Aulander Farm Life Sch., 1916-8; present position, 1918-.—*b.* Allendale, S. C., July 17. 1889; *s.* H. A. and I. E. L.; reared on farm: *m.* Mary Jordan, May 31, 1915; *c.* Mary Alice, Kathleen. B.S., Clemson Agr. Coll., 1912.

Leaming, Stewart, co. agrl. agt., Rensselaer, Ind.

Agrl. dir., high-sch., St. Peter, Minn., 1912-5; agrl. agt., Nicollet Co., Minn., 1915-7; agt. Jasper Co., Ind., 1917-.—*b.* Romney, Ind. Aug. 5, 1889; *s.* G. C. and Alice (Stewart) L.; reared on farm; *m.* Florence Johnson, June 12, 1916; *c.* Mary Alice. B.S.A., Purdue Univ., 1912. Alpha Zeta.

Leathers, Chauncey E., co. agrl. agt., Cambridge, Md.; 1890-Jan. 22, 1919. See Rus 1918.

LeCato, John Marvin, assoc. path. Exp. Sta. and ext. path., Del. Coll., Newark, Del.

Asst. bot., Univ. Mich., 1913; research asst. plant path., Univ. Ill., 1914; head dept. biol. and agr., Marshall Coll., Huntington, W. Va., 1914-8; ext. path. in truck crop diseases, U. S. Dept. Agr., 1918-9; present position, 1919-. *Auth.:* A Laboratory and Field Manual for Students in Agriculture, 1916.—*b.* Harmans, Md., Nov. 26, 1889; *s.* John T. and Nora (Shipley) L.; reared on farm; *m.* Esther Virginia Tubbs, Jan. 4, 1914; *c.* John M. Jr. A.B., Univ. Mich.; M.A., Univ. Ill., 1916.

Lechner, Herwegh Joseph, co. agrl. agt., Astoria, Ore.

Special instr. agr., high-sch., Pullman, Wash., 1909-10; princ. rural consolidated sch., Moxee, Wash., 1910-1; instr. agr., high-sch., Tracy, Minn., 1911-3; instr. farm crops, Ia. State Coll., 1913-5; teach. dept. rural schs., State Normal Sch., Ellensburg, Wash., 1915-8; agt. Clatsop Co. Ore., 1918-.—*b.* Washougal Wash., Feb. 13, 1885; *s.* Jos. and Margaret M. (Heilmann) L.; reared on farm; *m.* Anna B. Badger, July 3, 1913; *c.* Burdette Emerson, Eleanor Jane. B.S., A.B., Wash. State Coll., 1910; M.S., Ia. State Coll., 1915.

Le Clerc, Joseph Arthur, chief chem., Miner-Hillard Milling Co., Wilkes-Barre, Pa.

Asst. chem., N. Y. Agr. Exp. Sta., Geneva, 1895-1901; chem. in chg. lab. plant chem., Bur. Chem., U. S. Dept. Agr., 1903-19; present position, 1919-. Sec. Amer. Soc. Milling and Baking Tech., 1913-9; pres. Washington sect., Amer. Chem. Soc., 1912. Del. Intern. Congress of Agr., Paris, 1900; mem. jury awards, Paris Expos.; chm. jury awards on cereal products, St. Louis and San Francisco Expos. Awarded Chevalier du Merite Agricole by French govt. Leader agrl. tour to Europe, 1911; visited Santo Domingo.—*b.* Ware, Mass., May 10, 1873; *s.* J. B. and Lucie (Chicoine) L.; reared in town; *m.* Emma V. Hall, 1895. B.Sc., Worcester Poly. Inst., 1895; Ph.D., Univ. Halle, 1903. Sigma Xi.

Lee, Alfred R., poultryman, U. S. Dept. Agr., Washington, D. C.

b. Wakefield, Mass., July 6, 1887; *s.* Edward E. and Annie (Wheelock) L.; reared in town and on farm; *m.* Esther G. Cristy, June 18, 1913; *c.* Barbara Martha, Richard Everett. B.S., R. I. State Coll., 1909.

Lee, Carl Emil, asst. dairy and food comnr. and dairy specialist, Dept. Agr., Madison, Wis.

Asst. prof. dairy manufacture. Univ. Ill., 1903-9; asst. prof. dairy husb., Univ. Wis., 1909-15; present position, 1915-.—*b.* Edgerton, Wis., June 23, 1875; *s.* T. J. and Matilda (Hansen) L.; reared on farm; *m.* Gertrude Lang. Sept. 1, 1903; *c.* Howard Jas., Dorothy Mary, Herbert Carl. B.S., N D. Agr. Coll., 1897; M.S., Univ. Wis., 1909. Sigma Xi.

Lee, Clarence Edgar, voc. agrl. instr., high-sch., New Milford, Conn.

Asst. voc. agrl. instr., high-sch., Concord, Mass., 1916-7; instr. voc. agr., 1917-8; dir. voc. agr., high-schs., Worcester, 1918; present position, 1918-. 2d Lieut. Conn. State Guard. (Hort.).—*b.* Deep River, Conn., Sept. 11, 1893; *s.* Edgar Conklin and Sarah Holmes (Crawford) L.; reared on farm; *m.* Muriel Louise Clark, Oct. 19, 1918. B.S., Conn. Agr. Coll., 1916.

Lee, Jordan Gray, supt. grounds, La. State Univ., Baton Rouge, La.

Asst. dir. N. La. Exp. Sta., 1888-96; comn. agr. and immigration, La. 1896-1906; asst. dir. N. La. Exp. Sta., 1906-8; prof. for. and hort., La. State Univ., 1910-8; present position, 1918–. Farmer, Calhoun, La. Trustee Southern La. Ind. Inst., 1899-1904. State comnr. in chg. state exhibits, Buffalo and West India Expos., 1901; mem. and sec. Bd. Comnrs., St. Louis Expos., 1902-4. Vice-pres. La. For. Assoc. and mem. La. For. Adv. Bd., 1916.—*b.* Farmerville, La., Dec. 17, 1863; *s.* John Martin and Mary Jane (Taylor) L.; *m.* Addie E. McGrath Oct. 9, 1889; 2d, Sallie Lane, Oct. 19, 1898. B.S., La. State Univ., 1888. Kappa Alpha.

Lee, Jordan Grey Jr., dir. agrl. educ., La. State Univ., Baton Rouge, La.

Dir. agrl. educ., La. Exp. Sta., 1906-9; Southwestern La. Ind. Inst., 1909-18; present position, 1918–. Farm operator, 1909-19.—*b.* Farmerville, La., Oct. 29, 1885; *s.* H. M. and Emma O. (Lee) L.; reared on farm; *m.* Genevieve Barber, Sept. 6, 1909; *c.* Genevieve, Jordan Grey. B.S., La. State Univ., 1906. Kappa Sigma.

Lee, Leon Frank, teach. agr., Weedsport, N. Y.

b. Berkshire, N. Y., Aug. 30, 1891; *s.* Frank LaFayette and Bertha J. (Walter) L.; reared on farm; *m.* Myrtle Clement, June 14. 1917; *c.* Marion Evelyn. B.S.A., Syracuse Univ., 1916.

Lee, Mary Estella, writer and dealer in seeds, plants, coal and feeds, Westerville, O.

Legislative agt., O. Sch. Improvement Fed. and Blendon Grange 10 yrs. Sec. O. Republican Land Owner's League. Formerly Grange ed., Farm and Fireside.—*b.* Amesville, O., Jan. 29, 1869; *d.* Eli and Annie Leah (Dean) Brown; reared on farm; *m.* Vernon W. Lee, Oct. 17, 1894. M.A., Ohio State Univ., 1905.

LeFevre, Edwin, sci. asst. in food bact., Bur. Chem., U. S. Dept. Agr., Washington, D. C.

(Fermented foods).—*b.* Carrollton, O., Dec. 31, 1859; *s.* Jacob M. and Annie (Jones) L.; reared in village; *m.* Stella Keplinger, Oct. 31, 1889; *c.* Robt., Edwin K., Benj. A. B.A., Geo. Washington Univ., 1910; M.D., Howard Univ., 1887.

Legg, Andrew Jackson, farmer, Albion, W. Va.

(Soils and fertilizers).—*b.* Nicholas Co., W. Va., Mar. 29, 1861; *s.* Chas. Henderson and Harriet Jane (Grose) L; reared on farm; *m.* Elizabeth Belle Burdette, Apr. 26, 1899; *c.* Carl B., Ethel J., Bernice, Wm. Cecil, Audra F., Bonny Lee, Edyth, Mabel.

Lehenbauer, Philip Augustus, asst. prof. plant physiology, dept. hort., Univ. Ill., Urbana, Ill.

Instr. biol., Millikin Univ., Decatur, Ill., 1908-9; asst. bot., Univ. Ill., 1909-11; instr. bot., Ill. Biol. Sta., summer, 1910; asst. prof. bot. and hort., Univ. Nev., 1914-7; present position, 1917–.—*b.* Hannibal, Mo., Nov. 1, 1883; *s.* Frederick A. and Mary Elizabeth (Koehler) L.; reared on farm. A.B., Westminster Coll., Fulton, Mo., 1907; A.M., Millikin Univ., 1909; Ph.D., Univ. Ill., 1914. Sigma Xi; Gamma Alpha.

Lehman, H. Ashford, co. agrl. agt., Canfield, O.

b. Prairie City, Ia., Dec. 5, 1883; *s.* D. K. and Algie (Haines) L.; reared on farm. M.S.A., Ohio State Univ., 1916.

Lehman, Simon Sweigert, co. agrl. agt., Erie, Pa.

b. W. Willow, Pa., Dec. 21, 1886; *s.* Adam and Mary (Rineer) L.; reared on farm. A.B., Franklin & Marshall Coll., 1913; B.S., Penn. State Coll., 1915.

Lehmann, Adolf Ludwig Ferdinand, prof. chem. and soils, Univ. Alberta, Edmonton, Alta.

Farmer, 1884-7; asst. chem., Ont. Agr. Coll., 1890; asst. chem., Cent. Exp. Farm, Ottawa, 1890-3; chem., Sugar Exp. Sta., New Orleans, 1893-4; lect. chem., Queen's Univ., Kingston, Ont., 1897-8; agrl. chem., Mysore, India, 1898-1908; research chem., Ohio Exp. Sta., 1908-9; prof. chem., Univ. Alta., 1909–; prof. soils, 1916–. Fellow A. A. A. S.; Amer. Chem. Soc.; Chem. Soc., London. Mem. deputation to state of Coorg, India, 1907, Ceylon, 1908.

Mem. Assembly, Mysore, India, 1899-1908; Bd. Agr., India, 1905-8. *Assoc. ed.*, Farmers' Advocate, 1888.—*b.* Sparron Lake, Ont., Dec. 22, 1863; *s.* Adelbert L. and Kathinka (Bruch) L.; reared on farm; *m.* Georgina Lovick, Dec. 10, 1898 (d. 1908); 2d, Carry M. Lovick, July 19, 1911; *c.* Ferdinand, Jack, Karl, Mary. B.S.A., Ont., Agr. Coll. and Toronto Univ., 1889; Ph.D., Univ. Leipzig, 1897.

Lehmann, Emil Wilhelm, prof. agrl. engin. and chm. dept., Univ. Mo., Columbia, Mo.

Instr. physics, Tex. A. & M. Coll., 1910-3; instr. agrl. engin., Ia. State Coll., 1914-5; asst. prof., 1915-6; assoc. prof. agrl. engin., Univ. Mo., 1916-9; present position, 1919–. *Assoc. ed.*, Journal of Agr., 1918–.—*b.* Oldenburg, Miss., Apr. 19, 1887; *s.* Carl A. and Arminia (Vaulkhausen) L.; reared on farm; *m.* Stella Spence, Aug. 5, 1915; *c.* Margret Louise, Mary Bain. B.S. in E.E., Miss. A. & M. Coll., 1910; E.E., Tex. A. & M. Coll., 1913; B.S. in A.E., Ia. State Coll., 1914; A.E., Ia. State Coll., 1919. Alpha Zeta; Phi Kappa Phi; Gamma Sigma Delta; Acacia.

Lehmberg, Charles William, co. agrl. agt., Floresville, Tex.

Princ. Lisner Sch., Seguin, Tex., 1911-3; supt. Navarre Agrl. High-Sch., 1913-7; agrl. agt., Wilson Co., 1917–.—*b.* Castell, Tex., Apr. 25, 1878; *s.* Louis and Johanna (Dietrich) L.; reared on farm; *m.* Aurora Rabke, Apr. 25, 1907; *c.* Roberta Helen. Grad. S. W. Tex. Normal Coll., 1910.

Lehnert, Eugene Hugo, prof. vet. sci. and bact. and vet. Exp. Sta., Univ. Wyo., Laramie, Wyo.

Prof. vet. sci., Conn. Agr. Coll., 7 yrs.; vice-dir. Smith's Agr. Sch., Northampton, Mass., 7 yrs.; supply prof. vet. sci., Mass. Agr. Coll., 1 yr.—*b.* E. Jaffrey, N. H., Aug. 13, 1867; *s.* Carl W. and Ella R. (Burpee) L.; reared on farm and in small town; *m.* Eva M. Akin, Aug. 27, 1901; *c.* Carl, Lloyd, Clyde. B.Sc., Mass. Agr. Coll., 1893; D.V.S., McGill Univ., 1895. Kappa Sigma; Phi Kappa Phi.

Leighty, Clyde Evert, agron. in chg. eastern wheat invests., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Grain standardization, Bur. Plant Ind., 1906-9; cereal invests., 1912–; agron. dept., Ill. Exp. Sta., 1905. Visited European corn-receiving ports, 1906.—*b.* Billett, Ill., May 7, 1882; *s.* Geo. H. and Lucretia (Vandermark) L.; reared on farm; *m.* Ollie Edna Harris, Oct. 13, 1908; *c.* Florence Lucretia, Dorothy Lee, Raymond Vandermark. B.A., Ill. Wesleyan Univ., 1904; Ph.D., Cornell Univ., 1912. Sigma Xi; Tau Kappa Epsilon.

Leiper, Thomas E., instr. agr., high-sch., Grand Junction, Colo.

Asst. an. invests., Colo. Exp. Sta., 1916-8; cattle ranch manag., Larkspur, Colo., 1 yr. (Live-stock feeding).—*b.* Denver, Colo., Feb. 7, 1893; *s.* John H. and Fannie (Hardy) L.; reared on farm and in city; *m.* Jennie M. Horn, June 27, 1917; *c.* June Elizabeth. B.S., Colo. Agr. Coll., 1916. Alpha Zeta.

Leith, Benjamin Donald, asst. prof. agron. and supt. Hill farms, Univ. Wis., Madison, Wis.

b. El Dorado, Wis., Sept. 2, 1875; *s.* Wm. and Margaret (Leith) L.; reared on farm; *m.* Edna Elkinton, 1908; *c.* Donald, Carlton. B.S., Univ. Wis., 1911.

Leker, Edward Henry, co. agrl. agt., Holton, Kans.

Asst. emergency dem. agt., Mo., 1917-8; agt. Jackson Co., Kans., 1918–.—*b.* Irwin, Mo., Sept. 30, 1896; *s.* H. A. and Elizabeth L.; reared on farm; *m.* Mildred H. Woodcock, Oct. 29, 1919. B.S.A., Univ. Mo., 1917.

Leonard, William Ezekel, prof. econ., Whitman Coll., Walla Walla, Wash.

Prof. social sci., Bellevue Coll., Omaha, Neb., 1902-11; teaching fellow, Univ. Wis., 1911-2; instr. econ., Univ. Tex., 1912-6; present position, 1916–. (Rural problems).—*b.* Ia., Aug. 12, 1865; *s.* Almon and Emma (Ward) L.; reared on farm; *m.* Lillian L. Ramsdell, 1903; *c.* Wm. Ramsdell, Faith Eloise. Ph.B., Grinnell Coll., Ia., 1899; A.M., Univ. Wis., 1912. Phi Beta Kappa.

Leopold, Rev. Father, O. C. R., prof. hort., Inst. Agricole d'Oka, La Trappe, Que.

Present position, 1910–. Dir. Que. Soc. of Protection of Plants, 1914–,

vice-pres., 1917; dir. Que. Pom. Soc., 1913, and former pres. Del. to Pom. Soc. at Tours, France, 1911. Mem. French Pom. Soc. *Auth.*: La Culture Fruitière dans la Province de Québec, 1915.—*b.* Nassau, Bahama Isls., Jan. 15, 1884; *s.* Enrique Ortiz y Pi and Ada (Black). Educ. Montreal Coll. and in France; ordained priest.

Letourneau, Firmin, prof. ent. and plant path., Inst. Agricole d'Oka, La Trappe, Que.
Dir. Soc. of Que. for Protection of Plants.—*b.* Mont-Louis, Gaspé, Que., Sept. 25, 1891; *s.* Louis and Zöile (Lemieux) L.; reared on farm. Student Inst. Agricole d'Oka, Ont. Agr. Coll., Cornell Univ.

Lever, Asbury Francis, congressman, Lexington, S. C.
Mem. S. C. State Legislature, 1900-11; mem. Congress, 1901-19. Mem. Fed. Farm Loan Bd.; mem. bd. trustees, Clemson Agr. Coll. and Newberry Coll. (Agrl. legislation).—*b.* Lexington Co., S. C., Jan. 5, 1875; *s.* A. W. and Elvira (Derrick) L.; reared on farm; *m.* Lucile Scurry Butler; *c.* Mary Catherine, Asbury F. A.B., Newberry Coll., 1895; LL.B., Georgetown Univ., 1899.

Levine, Carl Oscar, assoc. prof. an. husb., Canton Christian Coll., Canton, China.
Farmer, 1914-6; instr. an. husb., Canton Christian Coll., 1916-9; assoc. prof., 1919–. (Live-stock, dairy breeds of water buffalo in Orient).—*b.* Marysville, Kans., Oct. 17, 1887; *s.* Sven P. and Matilda (Johnson) L.; reared on farm; *m.* Edith Elizabeth Folz, Aug. 20, 1919. B.S.A., Kans. State Agr. Coll., 1914; M.S., Ia. State Coll., 1920.

Levine, Max, assoc. prof. bact. and bact. Exp. Sta., Ia. State Coll., Ames, Ia.
Research asst., Sewage Exp. Sta., Mass. Inst. of Tech., 1912-3; instr. bact., Ia. State Coll., 1913-4; bact. U. S. Public Health and Marine Hospital Serv., 1914-5; present position, 1915–. Capt. Sanitary Corps, U. S. Army, 1918-9.—*b.* Poland, Apr. 4, 1889 (immigrated 1892); *s.* Julius and Rebecca (Mogelson) L.; reared in city; *m.* Adele Dine, Nov. 30, 1911; *c.* Norman Dine, Boris Eugene, Saul Edgar, Melvin Lewis. S B., Mass. Inst. Tech., 1912.

Lewallen, Dick, co. agrl. agt., De Smet, S. D.
Prof. agr., high-sch., Mitchell, S. D., 1913-4; present position, 1915–. (An. husb.).—*b.* Beloit, Kans., June 1, 1887; *s.* Chas. A. and Annie (Graham) L.; reared on farm and in city; *m.* Mabel Andrews, Dec. 31, 1916; *c.* Donald Graham. B.S., Kans. State Agr. Coll., 1913. Sigma Alpha Epsilon.

Lewelling, Walter Williams, co. agrl. agt., Kirksville, Mo.
Dairy farmer, Mo., 1899-1917.—*b.* High Hill, Mo., Oct. 16, 1875; *s.* H. G. and Martha Keeler (Turner) L.; reared on farm; *m.* Mary Lee Woods, Sept. 25, 1901; *c.* Evelyn May. B.Agr., Univ. Mo., 1898.

Lewis, Claude Isaac, organization manag., Ore. Growers Coop. Assoc., Salem, Ore.
Master sci., Rockland high-sch., Mass., 1903; prof. nat. sci. and agr., Alfred Univ., N. Y., 1904-5; chief Div. Hort. and vice-dir. Exp. Sta., Ore. Agr. Coll., 1906-19; present position, 1919–. *Ed.*, Oregon Grower; assoc. ed., Amer. Fruit Grower.—*b* Cardiff, Wales, Apr. 12, 1880 (naturalized 1901); *s.* Isaac and Helen (Hibbard) L.; reared on farm; *m.* Marie A. Berry, Mar. 31, 1905; *c.* Hubert DuBois, Claudia Louise, Ronello Berry, Paul Arthur, Josephine Elizabeth. B.S.A., Mass. Agr. Coll., 1902; B.S., Boston Univ., 1902; M.S.A., Cornell Univ., 1906. Sigma Xi; Gamma Sigma Delta.

Lewis, Edward Morgan, dean and prof. language and literature, Mass. Agr. Coll., Amherst, Mass.
Instr. elocution, Columbia Univ., 1901-3; asst. prof. oratory, Williams Coll., 1903-11; instr. elocution, Yale Sch. Religion, 1904-16; asst. dean and prof. literature, Mass. Agr. Coll., 1911-3; dean, 1913–. (Literature of country life).—*b.* Machynileth, Wales, Dec. 25, 1872; *s.* John C. and Jane (Davies) L.; reared in town; *m.* Margaret H. Williams, July 1, 1896; *c.* Edward Williams, Gwendolen, John Bascom. B.A., Williams Coll., 1896; M.A., 1899. Phi Gamma Delta.

Lewis, Grover E., co. agrl. agt., Terry, Mont.
Teach. Sugar-Salem high-sch., Ida., 1917; instr. agr., Blackfoot, 1918.—*b.*

Malad, Ida., Nov. 9, 1892; *s.* W. D. and Anne (Jones) L.; reared on farm. B.S., Utah Agr. Coll., 1917.

Lewis, Harry Reynolds, prof. poultry husb., Rutgers Coll., New Brunswick, N. J.

Prof. poultry husb., Baron de Hirsch Agr. Sch., Woodbine, N. J., 1907-9; prof. agr., 1909-10; instr. dairy and poultry husb., Rutgers Coll., 1911-4; assoc. prof. poultry husb., 1914-5; prof., 1915–; poultry husb., N. J. Exp. Sta., 1910–. Sec.-treas. Amer. Assoc. Instrs. and Invests. in Poultry Husb.; sec. Nat. War Emergency Poultry Fed. *Auth.:* Poultry Laboratory Guide, 1910; Productive Poultry Husbandry, 1913; Poultry Keeping, 1915; Poultry Laboratory Manual, 1918.—*b.* Providence, R. I., Oct. 14, 1885; *s.* Frank Levitt and Harriett Elizabeth (Reynolds) L.; reared on farm; *m.* Alice Bell Mattison, Dec. 25, 1907; *c.* Harry R. Jr. B.S., R. I. State Coll., 1907; M.Agr., 1916. Phi Kappa Phi; Kappa Sigma.

Lewis, John B., co. agrl. agt., Lawrenceville, Va.

Farmer, Ky., Va., 1903–.—*b.* La Salle Co., Ill., Oct. 9, 1868; *s.* Isaac and Rebecca J. (Garretson) L.; reared on farm; *m.* Ida M. Van Fossen, Apr. 7, 1892; *c.* Merriam G., Leon E., Florence V., Chas. D.

Lewis, John Mitchell, co. agrl. agt., Dayton, Wash.

Stock and grain farmer, Peoria, Ill., 6 yrs.; traveling collector for Intern. Harvester Co., Alta., 1½ yrs.—*b.* Roseville, Ill., Mar. 3, 1885; *s.* John C. and Ruth (Chamberlain) L.; reared on farm; *m.* Adele Cadman, May 17, 1919. B.S., Ore. Agr. Coll., 1918. Phi Delta Theta.

Lewis, Lowry Laymon, prof. zool. and vet. sci., Okla. A. & M. Coll., Stillwater, Okla.

Present position, 1896–; acting pres., Okla. A. & M. Coll., 1913-4.—*b.* Newport, Tenn., Sept. 3, 1869; *s.* S. J. and Jahla (Wood) L.; reared on farm; *m.* Georgianna Holt; *c.* Lee, Ruth. B.S.A., Tex. A. & M. Coll., 1892; M.S., 1893; D.V.M., Ia. State Coll., 1895.

Lewis, Merriam Garretson, co. agrl. agt., Lexington, Va.

From private to 2d Lieut., U. S. Army, 1917-8.—*b.* Eubanks, Ky., June 22, 1893; *s.* John B. and Ida May (Van Fossen) L.; reared on farm; *m.* Gertrude M. Button, July 13, 1918; *c.* Markham Van Fossen. Student Univ. Ky.

Lewis, Sarah Louise, prof. and head dept. household sci., Ore. Agr. Coll., Corvallis, Ore.

Teach., public schs., Calif., 5 yrs.; instr., Ore. Agr. Coll., 1912-5; asst. prof., 1915-7; prof., 1919–. (Foods and cookery).—*b.* Tama, Ia.; *d.* Jas. H. and Emaline (Carmichael) L.; reared on farm. Student Pomona Coll., Calif.; B.S., Columbia Univ., 1919. Omicron Nu.

Lillard, Jeremiah Beverley, state superv. agrl. educ., 3865 Fifth Ave., Sacramento, Calif.

Teach. public schs., Calif., 1899-1901; asst. Leland Stanford Jr. Univ., 1901-2; teach. high-schs., St. Louis, Mo., 1902-7; Los Angeles, 1907-17; princ. Gardena Agrl. High-Sch. and teach. agr., 1910-7; superv. agr. in high and intermediate schs., Los Angeles, July-Oct. 1917; present position, 1917–; prof. agrl. educ., Univ. S. Calif., summer-schs. 1912, 1914; lect. educ., Univ. S. Calif., 1913-7; Univ. Calif., summer sessions 1919, 1920.—*b.* Santa Barbara, Calif., July 28, 1873; *s.* Wm. Thos. and Eliza L. (Hicks) L.; reared on farm; *m.* Helen L. Hoose, June 30, 1908; *c.* Richard Gordon, Elizabeth Helen, Barbara Ruth. A.B., Leland Stanford Jr. Univ., 1899; A.M., Univ. S. Calif., 1911.

Lillie, Colon C., farmer, Coopersville, Mich.

Pres. Mich. Livestock Insurance Co.; sec.-treas. Mich. Mutual Creamery and Cheese Factory Fire Insurance Co.; pres. Peninsular Fire Insurance Co.; pres. Coopersville State Bank. State dairy and food comnr.; farmers inst. lect. Dairy ed., Michigan Farmer.—*b.* Lamont, Mich., Jan. 6, 1860; *s.* Joel B. and Sarah (Auger) L.; reared on farm; *m.* Lulia A. Lawton, June 26, 1890; *c.* Dorothy A., Barbara J. Grad. Mich. Agr. Coll.

Lincoln, Murray Danforth, exec. sec., O. Farm Bur. Fed., New Southern Hotel, Columbus, O.

Agrl. agt., New London Co., Conn., 1914-5; field agt. for Plymouth Co. Trust Co., Brockton, Mass., 1915-7; agrl. field agt., Soc. for Savings, Cleveland, O., 1917-20; present position, 1920–. (Rural credits).—*b.* Raynham, Mass., Apr. 18, 1892; *s.* Minot J. and Helen (Andrews) L.; reared on farm; *m.* Annie S. Hurst, Oct. 9, 1915; *c.* Elizabeth Brett. B.S., Mass. Agr. Coll. Lambda Chi Alpha.

Lindeman, Eduard Christian, prof. sociol. and community organization, N. C. Coll. for Women, Greensboro, N. C.

State leader jr. ext., Mich. Agr. Coll., 1914-8; Y. M. C. A. Coll., Chicago, Ill., 1919; present position, 1920–. Field sec., Amer. Country Life Assoc. With War Camp Community Serv., 1918-9. *Ed.*, The Gleaner, 1911-2. (Rural recreation, community organization).—*b.* St. Clair, Mich., May 9, 1885; *s.* Frederick C. and Johanna (Piper) L.; reared in town; *m.* Hazel Charlotte Taft, Aug. 29, 1912; *c.* Doris Elinor, Ruth Christine, Elizabeth Taft, Barbara. B.S., Mich. Agr. Coll., 1911. Alpha Zeta.

Lindgren, Harry Arthur, assoc. ed. Western Farm Life, 3035 W. 23rd St., Denver, Colo.

Manag. creamery, Elkton, Ore., 1913; supt. John Jacob Astor Branch Exp. Sta., Astoria, Ore., 1914-5; live-stock specialist, U. S. Dept. Agr., Montrose, Colo., 1916-9; present position, 1919–. (Live-stock).—*b.* St. Cloud, Minn., Nov. 17, 1888; *s.* A. John and Eva Sophia (Munson) L.; reared on farm; *m.* Elsie Levell Woodruff, June 5, 1913; *c.* Emily, Marian, Margaret. B.S., Ore. Agr. Coll., 1911.

Lindley, Jesse Webb, co. agrl. agt., Bakersville, N. C.

b. Chatham Co., N. C., Mar. 9, 1889; *s.* Arlendo Sherman and Mary Ellen (Perry) L.; reared on farm. Grad. N. C. State Coll., 1915.

Lindsay, Marc Atchison, co. agrl. agt., Box 194, Cedar Rapids, Ia.

Formerly teach. agr., high-sch., Minneapolis, Kans. and Elk Point, S. D. Sec. Linn Co. Breeders Assoc.; sec. Poland-China Assoc. of Linn Co.; sec. Linn Co. Farm Bur. Sergeant, U. S. Army, 1918-9. (Soils, swine).—*b.* Madison, Kans., Dec. 14, 1890; *s.* Jas. R. and Olive G. (Soul) L.; reared on farm; *m.* Peach Glenn Coverdale. B.S., Kans. State Agr. Coll., 1916.

Lindsey, Joseph Bridgeo, prof. chem. and vice-dir. and chem. Exp. Sta., Mass. Agr. Coll., Amherst, Mass.

Chem., L. B. Darling Fert. Co., Pawtucket, R. I., 1885-9; assoc. chem., Mass. Exp. Sta., 1892-5; expert in chg. dept. foods and feeding, 1895-1907; vice-dir. and chem., 1907–; head. dept. chem. and prof. agrl. chem., Mass. Agr. Coll., 1911–. (An. nutr.).—*b.* Marblehead, Mass., Dec. 26, 1862; *s.* Joseph W. and Emily (Blaney) L.; reared in town; *m.* H. Frances Dickinson, June 20, 1888; *c.* Joseph B. Jr., Amy B. B.Sc., Mass. Agr. Coll., 1883; Ph.D., Univ. Goettingen, 1892.

Lindstrom, Ernest W., asst. prof. genetics, Univ. Wis., Madison, Wis.

Asst. plant-breeding, Cornell Univ., 1914-7; invest., N. Y. state bean invests., 1917; present position, 1919–. 2d Lieut. Air Serv., U. S. Army, 1917-9. —*b.* Chicago, Ill., Feb. 5, 1891; *s.* E. and Mary (Tranell) L.; reared in city. A.B., Univ. Wis., 1914; Ph.D., Cornell Univ., 1917. Sigma Xi; Beta Theta Pi; Gamma Alpha.

Linfield, Frederick B., dean Mont. State Agr. Coll. and dir. Exp. Sta., Bozeman, Mont.

Asst. dairying, Ont. Agr. Coll., 1892-3; prof. an. husb. and dairying, Utah Agr. Coll., 1893-1902; prof. agr., Mont. State Coll., 1902–; dean Coll. Agr., 1913–; dir. Exp. Sta., 1903–. Sec. Mont. State Bd. Farmers Inst.—*b.* Twillingate, Newfoundland, July 16, 1866 (naturalized 1908;) *s.* Samuel and Rachel (Patten) L.; reared on farm; *m.* Mary A. Mahoney, Dec. 26, 1892; *c.* Bertil, R. Azalea, Leila M. B.S.A., Toronto Univ., 1891.

Link, George Konrad Karl, path., cotton and truck disease invest., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Asst. bot., Kans. State Agr. Coll., 1910; adj. prof. agrl. bot., Univ. Neb.,

1911-3; asst. prof., 1913-4; assoc. prof., 1914-7; prof. plant physiology, 1917-8; present position, 1918–. Fellow A. A. A. S.—*b.* Mt. Clemens, Mich., Mar. 14, 1888; *s.* Geo. and Frederica (Mohr) L.; reared in town; *m.* Adeline M. De Sale, June 21, 1918. S.B., Univ. Chicago, 1910; A.M., Univ. Neb., 1912; Ph.D., Univ. Chicago, 1916.

Linthicum, Walter R., co. agrl. agt., Spotsylvania, Va.
b. Md., Nov. 10, 1869; *s.* Fred and Mary E. (Hodges) L.; *m.* Nettie M. Rice, Sept. 2, 1893.

Linton, Clair Starrett, instr. voc. agr., high-sch., and co. club leader, Geraldine, Mont.
b. Chipley, Fla., June 1, 1898; *s.* T. A. and Martha (Starrett) L.; reared on farm. B.S., Purdue Univ., 1919.

Linville, J. S., tobacco specialist, W. Va. Dept. Agr., Alkol, W. Va.
b. Lincoln Co., W. Va., Sept. 25, 1885; *s.* H. A. and Tabitha (Whitten) L.; reared on farm; *m.* Myrtle May Clark, Dec. 21, 1911; *c.* Orpha Glenna, Gladys May.

Lipman, Charles Bernard, prof. soil chem. and bact., Univ. Calif., Berkeley, Calif.
Instr. soil bact., Univ. Calif., 1909-10; asst. prof. soils, 1910-2; assoc. prof. soils, 1912-3; prof. soil chem. and bact., 1913–. Fellow A. A. A. S. Chm. ed. com., Univ. Calif. and Exp. Sta. Adv. ed., Journal of Bacteriology and Soil Science.—*b.* Russia, Aug. 17, 1883 (naturalized 1892); *s.* Michael and Ida (Birkhahn) L.; reared on farm. B.Sc., Rutgers Coll., 1904; M.Sc., 1909; M.S., Univ. Wis., 1909; Ph.D., Univ. Calif., 1910.

Lipman, Jacob Goodale, dean agr. and dir. N. J. Exp. Sta., Rutgers Coll., New Brunswick, N. J.
Asst. chem., N. J. Exp. Sta., 1898-9; soil chem. and bact., 1901–; instr. agrl. chem., Rutgers Coll., 1902-6; asst. prof., 1906; assoc., 1906-7; prof. soil chem. and bact., 1907-13; prof. agr., 1913–; dean of agr., 1915–; dir. N. J. Exp. Sta., 1911–. Lect. farmers insts., 1902–. Farmer, N. J., 1891-4; dir. coll. farm, 1911–. Fellow A. A. A. S. Chm. fert. com., Nat. Research Council; special invest., Nitrate Div., U. S. Dept. Agr. *Auth.:* Bacteria in Relation to Country Life, 1908; (with P. E. Brown) Laboratory Guide on Soil Bacteriology, 1912; chapters on soils, Marshall's Microbiology, 1912. *Ed.*-in-chief, Soil Science; asst. ed., Journal American Society of Agronomy; assoc. ed., Journal Agrl. Research. (Soil microbiol., commercial fertilizers).—*b.* Friedrichstadt, Russia, Nov. 18, 1874 (immigrated 1888); *s.* Michael and Ida (Birkhahn) L.; *m.* Cecelia Rosenthal, 1902; *c.* Leonard Herzl, Edward Voorhees, Daniel Hilgard. B.Sc., Rutgers Coll., 1898; A.M., Cornell Univ., 1900; Ph.D., 1903. Sigma Xi; Phi Beta Kappa; Phi Gamma Delta.

Lippincott, Harvey Sharpless, co. agrl. agt., Morristown, N. J.
Teach. field sports and nat. hist., Moorestown Acad., 2 yrs.; agrst., Penn. R. R., 9 yrs.; co. agt., 1917–.—*b.* Moorestown, N. J., 1880; *s.* Samuel H. and Elizabeth (Ballinger) L.; reared on farm; *m.* Ethel A. Haines, 1915; *c.* Horace H. B.S., Cornell Univ., 1904.

Lippincott, William Adams, prof. poultry husb., Kans. State Agr. Coll., Manhattan, Kans.
Asst. prof. an. husb. in chg. poultry, Ia. State Coll., 1911-2; present position, 1912–. Sec. Intern. Assoc. of Poultry Instrs. and Invests. *Auth.:* Poultry Production, 1914. (Poultry genetics).—*b.* Jacksonville, Ill., July 3, 1882; *s.* Julian P. and Clara (Adams) L.; reared in town; *m.* Florence Humphreys, Aug. 25, 1908; *c.* Dorothy Adams, Wm. Julian. A.B., Ill. Coll., 1903; B.S., Ia. State Coll., 1911; M.S., Univ. Wis., 1917. Sigma Xi; Phi Kappa Phi; Sigma Nu; Alpha Zeta; Gamma Sigma Delta.

Lively, Daniel O'Connell, farmer and stock-raiser, 215 Hobert Bldg., San Francisco, Calif.
Cotton farmer, Tex., 1880-4; cowboy, 1884-6; farmer, Tex., 1887; founder Live-Stock Show, Ft. Worth, 1896; dir. Intern. Live-Stock Expos., Chicago, 1900; Union Stock Yards and farm manag., Ore., 1909-12; farmer and breeder, Calif., 1916–. Asst. sec. Farmers Nat. Congress, 1905-10; gen. manag. Pacific Intern. Live-Stock Expos.; chief

dept. live-stock, Panama-Pacific Expos., 1912-5 and U. S. comnr. to S. Amer. *Auth.:* Swine Raising in the Pacific Northwest, 1910. *Ed.*, Tex. Stock and Farm Journal, 1894; Ft. Worth Live-Stock Reporter, 1895-6; founder Portland Live-Stock Reporter, 1910.—*b.* Galveston, Tex., Sept. 14, 1868; *s.* Dominic and Cecelia (Edwards) L.; reared on farm; *m.* Edna Springer, 1909.

Livermore, Kenneth C., prof. farm manag., Cornell Univ., Ithaca, N. Y.

Instr. farm crops and farm manag., Cornell Univ., 1909-12; asst. prof. farm manag., 1912-3; prof., 1913–. Farmer, 1914-7. *Auth.:* (with Warren) Laboratory Exercises in Farm Management.—*b.* Watertown, Mass., Jan. 3, 1886; *s.* Chas. E. and Caroline B. (Russell) L.; reared in town; *m.* Madeleine S. Avery, June 18, 1914; *c.* Ray Carter, Avery Russell. B.S.A., Cornell Univ., 1909. Sigma Xi; Alpha Zeta.

Livingston, George, chief Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Instr. farm crops, Ia. State Coll., 1910; asst. agron., Ohio State Univ., 1910-1; asst. prof., 1911-4; acting chief dept. agron. and assoc. agron. Exp. Sta., 1914-5; asst. in grain marketing, Bur. Markets, 1915-6; specialist, 1916-9; acting chief, 1919; chief, 1920–. Traveled in Germany, Denmark, 1914. *Auth.:* Laboratory Manual of Cereals and Forage Crops, 1913, revised in collaboration with F. W. Stemple, 1915; Field Crop Production, 1914.—*b.* Union City, O., Sept. 14, 1886; *s.* Adam and Mary Jane (Thomas) L.; reared on farm; *m.* Inez Van Sickle, June 7, 1911; *c.* Mary Jane, Robt. J. B.S., Ohio State Univ., 1909; grad. student, Cornell Univ., 1913; Halle, 1914. Alpha Zeta.

Lloyd, Edward Read, dir. Miss. Exp. Sta. and ext., Miss. A. & M. Coll., Agricultural College, Miss.

Agrst., Miss. Exp. Sta., 1888-90; vice-dir. and agrst., 1890-1900; prof. agr., Miss. A. & M. Coll., 1900-5; dir. farmers insts., 1905-10; dir. ext. and Exp. Sta., 1910–.—*b.* Auburn, Ala., Mar. 10, 1867; *s.* W. E. and Susan T. (Read) L.; reared on farm; *m.* Fannie A. Bell, Dec. 18, 1890; *c.* Edward R. Jr., Loui. B.S., Ala. Poly. Inst., 1886; M.S., 1888. Alpha Tau Omega.

Lloyd, James Henry, co. agrl. agt., Carthage, Ill.

Prof. agr., William & Vashti Coll., Aledo, Ill., 1911-4; instr. crops dept., Purdue Univ., 1914-6; agrl. agt. Hancock Co., Ill., 1916–. Sec.-treas. Hancock Co. Livestock Breeders Assoc. (Live-stock).—*b.* Girard, Ill., Sept. 3, 1889; *s.* Wm. H. and Mary Elizabeth (Myers) L.; reared on farm; *m.* Bernice Ruth Peters, July 31, 1913; *c.* Jas. Henry Jr. B.S.A., Univ. Ill., 1911. Sigma Pi.

Lloyd, John William, prof. olericulture and chief in olericulture, Univ. Ill., Urbana, Ill.

Instr. hort., Univ. Ill., 1899-1902; instr. olericulture, 1902-3; asst. prof., 1903-9; assoc. prof., 1909-11; prof. and chief, 1911–. *Auth.:* Productive Vegetable Growing, 1914; Cooperative and Other Organized Methods of Marketing California Horticultural Products, 1919.—*b.* St. Charles, Ill., Feb. 19, 1876; *s.* Wm. B. and Alice (Taylor) L.; reared on farm; *m.* Margaret Widdis, June 30, 1909. B.S., Wheaton Coll., Ill., 1897; B.S.A., Cornell Univ., 1899; M.S.A., 1903; Ph.D., Univ. Calif., 1917. Sigma Xi.

Lloyd, Lester William, specialist in dairy cattle, R. I. State Coll., Kingston, R. I.

Teach. Bristol Co. Agrl. Sch., 1916-7; co. agt., Newport, 1917-8. In U. S. Army, 1918. Traveled in Europe, 1914.—*b.* Blandford, Mass., Sept. 4, 1890; *s.* Virgil Lester and Isabell I. (Heady) L.; reared on farm; *m.* Grace Lillian Rieckel, Mar. 3, 1918. B.S., R. I. State Coll., 1916. Theta Chi.

Lloyd, Orson Gunnell, assoc. prof. farm manag., Ia. State Coll., Ames, Ia.

Agt., U. S. Dept. Agr., 1912-3; asst. chief farm manag., Ia. State Coll., 1913-7; assoc. prof., 1917–. (Farm tenantry and leases).—*b.* Wellsville, Utah, Jan. 8, 1884; *s.* Joseph Benj. and Martha Ann (Gunnell) L.; reared on farm; *m.* Ella Winona Jensen, Nov. 28, 1918. B.S., Utah Agr. Coll., 1910; M.S.A., Univ. Wis., 1912. Gamma Sigma Delta.

Lloyd, William Allison, agrst. in chg. co. agt. work, States Relations Serv., U. S. Dept. Agr., Washington, D. C.

Ed. Victoria Advocate, Victoria, Tex., 1895-6; lawyer, Georgetown, Tex.,

1896-1901; farmer and stockman, O., 1901-9; exp., Ohio Exp. Sta., 1909-13; present position, 1913–. (Agrl. hist.).—*b.* Sparta, O., Sept. 9, 1870; *s.* Jas. J. and Maria (Ulery) L.; reared on farm; *m.* Minnie Rutherford; *c.* Leonila Marie. B.S., Nat. Normal Univ., Lebanon, O., 1890; student law, Univ. Tex., 1893-4.

Lloyd, Wylie Everette, asst. prof. poultry husb., Univ. Calif., Davis, Calif.

Farmer and poultryman, Loreley, Md., 1911-3; asst., Univ. Calif., 1913-9; instr., 1919; asst. prof., 1919–.—*b.* New Cumberland, W. Va., Dec. 25, 1881; *s.* Walter C. and Josephine (Wylie) L.; reared in town. B.S. Agr., W. Va. Univ., 1911.

Lloyd-Jones, Orren, dir. Sippy Farms, Biteley, Mich.

Asst. prof. an. husb., Ia. State Coll., 1913-4; assoc. prof. in chg. invests. in an. breeding and genetics, 1914-7; drainage and development of muck lands, 1917–.—*b.* Hillside, Wis., Sept. 16, 1885; *s.* Enos and Eleanor (Lloyd-Jones); reared on farm; *m.* Lucina Langworthy Carr, 1913. B.S., Univ. Wis., 1908; M.S., 1911; Ph.D., 1913. Sigma Xi; Alpha Zeta; Gamma Alpha; Kappa Phi Gamma.

Lockwood, Stephen Roy, princ. and teach. agr., high-sch., Hannibal, N. Y.

Teach., rural schs., 1894-8; princ. Hannibal high-sch., 1900–; organizer and teach. agr., 1908–; poultryman and fruit-grower, 1907–. Del. to Dairymens League, Jersey City, 1918-9; N. Y. State Grange, 1920. Mem. com. on nature-study and agr., N. Y. State Educ. Dept.; mem. com. rural schs., N. Y. State Grange.—*b.* Hannibal, N. Y., Mar. 27, 1877; *s.* Galusha Jefferson and Deliah Ann (Stark) L.; reared on farm; *m.* Marietta Harris, Aug. 14, 1901; *c.* Maurice G., Robt. R., Harris C., Fred S., Frank G. Grad. Oswego State Normal, 1900.

Lockwood, William Penn Bignell, prof. dairying, Mass. Agr. Coll., Amherst, Mass.

In commercial dairy work, market milk and condensed milk, 1899-1908; asst. prof. dairying, Mass. Agr. Coll., 1908-10; assoc. prof., 1910-3; prof., 1913–; head dept., 1912–. Sec. Mass. Dairymens Assoc.; sec. Mass. Creamery Assoc. *Assoc. ed.*, Dairy Science Journal, 1917. (Market and condensed milk).—*b.* Millvillage, Pa., Dec. 2, 1875; *s.* Amos M. and Acety C. (Gregory) L.; reared in town; *m.* Mabel Duyckinck, Sept. 5, 1906; *c.* Emily Correll, Jean Horton, Aaron L. D. B.Sc., Penn. State Coll., 1899; M.Sc., 1909. Alpha Zeta; Kappa Sigma.

Loeffel, William John, asst. prof. an. husb., Univ. Neb., Lincoln, Neb.

b. St. Louis, Mo., Aug. 31, 1894; *s.* Wm. C. and Ida L. (Schoenthaler) L.; reared on farm and in city; *m.* Hazel J. Baer, Aug. 12, 1919. B.S.A., Univ. Mo., 1917. Gamma Sigma Delta.

Loesch, Richards Llewellyn, rancher and stockman, Pahgre Valley Ranch, Montrose, Colo.

Pres. Montrose Co. Farm Bur., 1920; pres. Montrose Livestock Health Protective Assoc.; dir. Colo. State Dairy Council. (Holstein cattle).—*b.* Chicago, Ill., May 3, 1883; *s.* Frank J. and Lydia (Richards) L.; reared in city; *m.* Margaret Johnson, Dec. 5, 1914; *c.* Margaret Winifred, Richards L. Jr., Buchanan. B.S., Univ. Wis., 1907.

Loew, Fred Aaron, co. agrl. agt., Huntington, Ind.

Prof. sci., Huntington Coll., 12 yrs. —*b.* Allegan Co., Mich., Mar. 8, 1874; *s.* Frederick and Gertrude (Fouble) L.; reared on farm; *m.* Cora Sebright, Aug. 3, 1898; *c.* Elizabeth Gertrude. B.S., Huntington Coll., 1902; B.S., Mich. Agr. Coll., 1904; M.A., Univ. Mich., 1912.

Logan, Eugene Adolphus, field agt., U. S. Bur. Crop Estimates, Columbia, Mo.

Statistical expert, U. S. Bur. Labor, 20 yrs.; compiler Wholesale Price, 10 yrs. Sec. Mo. Crop Reporters Assoc. (Agrl. statistics).—*b.* Mercer Co., Mo., Dec. 25, 1872; *s.* Jos. A. and Rachel Amelia (Coon) L.; reared on farm; *m.* Anne Teressa Harbaugh, Feb. 8, 1899; *c.* Edgar Harbaugh, Dorothy, Joseph Ashley, Eugene Adolphus, John Washington, Frances Washington. B.L., Georgetown Univ., 1898; LL.M., 1899.

[redacted]

Longmire, Francis Edward, co. agrl. agt., Morris, Ill.

Teach. agr. and sci., high-sch., Trenton, Mo.. 1912-4; agrl. agt. Knox Co., Mo., 1915-7.—*b.* Monroe City, Mo., Apr., 1889; *s.* Edward and Rosa (Glascock) L.; reared on farm; *m.* Nellie G. Daniels, June 3, 1916; *c.* Frances Helen. B.S.A., Univ. Mo., 1912; M.S.A., Ia. State Coll., 1915. Alpha Zeta.

Longyear, Burton O., assoc. prof. for., Colo. Agr. Coll., Ft. Collins, Colo.

Instr. bot., Mich. Agr. Coll., 1893-1904; bot., Mich. Exp. Sta., 1903-4; instr. bot., Colo. Agr. Coll., 1904-7; assoc. prof., 1907-10; prof. bot. and for., 1910-4; assoc. prof. for., 1914–. Ex-officio state for., 1911-5. *Auth.:* Rocky Mountain Wild Flower Studies, 1909.—*b.* Onondago, Mich., July 16, 1868; *s.* W. D. and Ann E. (Barlow) L.; reared on farm; *m.* Jessie L. Bond, Dec. 29, 1897; *c.* Lawrence B., Florence L. B.S., Mich. Agr. Coll., 1903.

Lonis, Ernest J., farmer, Hannibal, N. Y.

Teach. public schs., N. Y., 3 yrs.; manual training, Altoona, Pa., 2 yrs. Pres. Oswego Co. Farm and Home Bur., 1920; pres. Oswego Co. Coop. Fruit Assoc., 1920; co. Grange deputy, 1919. —*b.* Hannibal, N. Y., Nov. 13, 1878; *s.* Lester and Bettie M. (Tuttle) L.; reared on farm; *m.* Gertrude E. Countryman, June 24, 1903; *c.* Maynard J. Grad. State Normal Sch., Oswego, N. Y., 1905.

Lookabaugh, Harry Clive, farmer, Watonga, Okla.

Dir. Amer. Shorthorn Breeders Assoc.; dir. Okla. Shorthorn Breeders Assoc.; vice-pres. Southern Cattlemens Assoc. —*b.* Atchinson Co., Kans., Sept. 13, 1875; *s.* Elijah Elmer and Emily (Killard) L.; reared on farm; *m.* Ida E. Sims; *c.* Lyda, Clarence, Edwin.

Loomis, Alice Marie, superv. voc. home econ. educ., Dept. Voc. Educ., Lincoln, Neb.

Instr. home econ., Peru Normal Sch., Neb., 1906-8; acting adj. prof., R. I. State Coll., 1909; instr. Univ. Wis., 1909-12; prof. Univ. Neb., 1912-9. Agt. home econ. educ., Fed. Bd. Voc. Educ., 1917-8; pres. home econ. sect. Neb. State Teach. Assoc.; lect. in Univ. S. Calif., summer 1919. Chm. home econ. sect., Neb. Fed. Women's Clubs.—*b.* Berks, Neb., 1880; *d.* Theron and Julia (Anderson) L.; reared on farm. B.S., Kans. State Agr. Coll., 1904; M.A., Univ. Wis., 1910; studied at Univ. Chicago, Harvard Med. Sch. and scholarship at Columbia Univ. Omicron Nu.

Loomis, Herbert Norton, dir. voc. educ., Smith's Agrl. Sch., Northampton, Mass.

Dir. sci., State Normal Sch., New Haven, Conn., 1894-1904; dir. sci., State Normal Sch., New Britain, 1904-11; present position, 1911–. Pres. Franklin Harvest Club. Traveled in Europe, 1899.—*b.* Andover, Conn., Mar. 4, 1869; *s.* Lester P. and Alice C. (Hutchinson) L.; reared in country; *m.* Mary M. Sibley; *c.* Kathryn Noble. B.S., Harvard Univ., 1901; A.M., Columbia Univ., 1909; Ph.D., Yale Univ., 1911.

Loomis, Ralph, ext. asst. prof. farm manag., Univ. Mo., and ext. agt. in marketing, U. S. Bur. Markets, Columbia, Mo.

Instr. agr., high-sch., Bird Isl., Minn., 1913-4; sec. and manag. coop. creamery, co. farmers organization and shipping assoc., Mo. and Minn., 1913-7. From private to 1st Lieut. Infantry, U. S. Army, 1917-9. (Coop. marketing).—*b.* Meadville, Mo., June 5, 1891; *s.* Adgate L. and Melissa (Hardy) L.; reared on farm. B.S.A., Univ. Mo., 1913.

Lorentz, Daniel E., co. sec. Y. M. C. A., Keene, N. H.

b. Newport, O., June 16, 1884; *s.* Michael and Barbara (Ruby) L.; reared on farm; *m.* Bessie Mae Talmage, Jan. 1, 1913; *c.* Gerald Talmage. B.A., Marietta Coll., O., 1909; B.S., Drew Theol. Sem., 1912.

Lory, Charles Alfred, pres. Colo. Agr. Coll., Ft. Collins, Colo.

Asst. physics, Univ. Colo., 1899-1902; princ. Cripple Creek high-sch., 1902-4; acting prof. physics, Univ. Colo., 1904-5; prof. physics and electrical engin., 1907-9; present position, 1909–. Pres. Assoc. Western Agrl. Colls., 1915. Farmer, 1888-98; supt. for Hillsboro Irrig. Co., 1893, for Big Cut Lateral and Reservoir Co., 5 yrs.—*b.* Sardis, O.,

Sept. 25, 1872; *s.* Chris and Ida (Stauffer) L.; *m.* Carrie Louise Richards, June 8, 1904. Ped.B., State Normal Sch., Greeley, Colo., 1898; B.S., Univ. Colo., 1901; M.S., 1902; LL.D., 1909; D.Sc., Univ. Denver, 1914. Phi Beta Kappa; Sigma Xi; Delta Tau Delta.

Love, Harry Houser, prof. plant-breeding invest., Cornell Univ., Ithaca, N. Y.
Asst. plant-breeding, Univ. Ill., 1904-7; asst. plant-breeding, Cornell Univ., 1908-9; asst. prof. plant-breeding invest., 1909-11; prof., 1912–. Traveled in Europe. (Breeding of small grains). —*b.* Taylorville, Ill., Mar. 19, 1880; *s.* Chas. Henry and Adaline (Evans) L.; reared on farm; *m.* Anna Barclay, Sept. 6, 1904; *c.* Harry Barclay, Robt. Emerson, Elizabeth Maurine. B.S., Ill. Wesleyan Univ., 1904; M.A., 1906; Ph.D., Cornell Univ., 1909. Sigma Xi; Tau Kappa Epsilon.

Love, William Denver, co. agrl. agt., Everett, Wash.
Farm manag., 1908-11; head dept. agr., high-sch., Puyallup, Wash., 1912-7.—*b.* Garfield, Wash., Jan. 16, 1882; *s.* Lewis C. and Mary (Parkins) L.; reared on farm; *m.* Mary F. Williams, July 30, 1914. B.S., Wash. State Coll., 1908. Beta Theta Pi.

Lovelace, Myrtle, home dem. agt., Brownsville, Tex.
Supt. rural schs., 3 yrs.—*b.* Jonesboro, Tex., July 13, 1892; *d.* J. T. and Samuella (Banks) L.; reared in country. Grad. N. Tex. Normal Coll., Denton, 1917.

Loveland, Edward Hildreth, co. agrl. agt., Burlington, Vt.
Asst. dairy husb., Univ. Vt., 1913-4; agt. Orange Co., 1914-9; Chittenden Co., 1919–.—*b.* Norwich, Vt., May 14, 1888; *s.* G. Edward and Ida (Hildreth) L.; reared on farm; *m.* Gladys Kuhn, Sept. 1, 1915; *c.* Dorothy Ida. B.S., Dartmouth Coll., 1910; M.A., Univ. Neb., 1913.

Loveland, George Andrew, section dir. U. S. Weather Bur. and prof. meteorology, Univ. Neb., Lincoln, Neb.
Mem. Com. Vital Resources, 4th Nat. Conservation Congress, Indianapolis. *Auth.:* Climate of Nebraska, 1914. *Ed.,* Neb. Weather Monthly Summary.—*b.* Norwich, Vt., Oct. 9, 1863; *s.* David A. and Clara A. (Olds) L.; reared on farm and in town; *m.* Lillian Steel. June 6, 1900; *c.* Grace L., David S. B.Sc., N. H. Coll., 1882; LL.B., Univ. City of N. Y., 1886; M.A., Univ. Neb., 1907. Sigma Xi.

Lovell, Joe William, teach. voc. agr., Polk Co. High-Sch., Benton, Tenn.
Asst. co. agt. Robertson Co., Tenn., 1917; agrl. agt. Hickman Co., 1917-9; present position, 1919–; farmer and stockman, Hickman Co. (An. husb., hort.).—*b.* Lynnville, Tenn., Apr. 26, 1892; *s.* Wm. Henry and Lena B. (Story) L.; reared on farm; *m.* Louise Stephenson, Aug. 30, 1919. B.S.A., Univ. Tenn., 1917.

Lovett, Amos Edwin, state co. agt. leader, Colo. Agr. Coll., Ft. Collins, Colo.
Asst. irrig., N. Mex. A. & M. Coll., 1904-5; U. S. Indian Serv., 1905-8; assoc. ed., Live-stock Inspector, Enid, Okla., 1908-9; farmer, Okla., 1909-10; co. agt., Okla., 1910-1; chg. farm, U. S. Public Health Serv., Fort Stanton, N. Mex., 1911-4; co. agt., Redmond, Ore., 1914-6; present position, 1916–.—*b.* Neal, Kans., Feb. 21, 1883; *s.* Hiram W. and Narsa A. (Turney) L.; reared on farm; *m.* Effa Sloan, July 23, 1907; *c.* Mildred Myra. B.S., Okla. A. & M. Coll., 1904.

Lowe, Clifton D., southern field rep., Amer. Aberdeen-Angus Breeders Assoc., Knoxville, Tenn.
Instr. an. husb. and vet. Exp. Sta., Penn. State Coll., 1910-1; vet. insp., Bur. An. Ind., U. S. Dept. Agr., 1911-2; live-stock development agt., Southern Ry. Co., 1912-4; beef cattle specialist, Univ. Tenn. and U. S. Dept. Agr., 1914-7; present position, 1917–. (Aberdeen-Angus cattle).—*b.* Tarlton, O., Dec. 14, 1883; *s.* John Franklin and Clara Ellen (Dunkle) L.; reared on farm; *m.* Nora Mae Anderson, Dec. 22, 1912; *c.* Ralph Winton, Mary Jean. D.V.M., Ohio State Univ., 1910. Alpha Psi.

Lowell, Sherman James, fruit-grower, Fredonia, N. Y.
Master N. Y. State Grange; master Nat. Grange; manag. Pomfret Fruit-Growers Assoc., 1900-10; mem. Gov-

ernor's food invest. com., 1916; mem. Food Supply Comn., 1917.—*b.* Lamberton, N. Y., May 28, 1858; *s.* Jas. Willoughby and Jane (Selleck) L.; reared on farm; *m.* Martha Louisa Marsh, Nov. 27, 1889; *c.* Fred Albert, Clyde Marsh.

Lowry, Marion W., adj. prof. soil chem., Univ. Ga., Athens, Ga.

Instr. soil chem., Univ. Ga., 1913-5; adj. prof., 1916-.—*b.* Ravanna, Mo., Sept. 18, 1888; *s.* Marion W. and Eunice (Creel) L.; reared on farm. B.S.A., Univ. Mo., 1912; M.A., 1913. Sigma Xi; Gamma Sigma Delta.

Lowry, Ralph B., assoc. prof. agron., Univ. Tenn., Knoxville, Tenn.

Instr. agr., Cent. Military Acad., 1908-9; supt. high-sch., Crockettsville, S. C., 1909-13; asst. prof. agron., Clemson Agr. Coll., 1913-5; instr. agron., Univ. Tenn., 1915-7; asst. prof., 1917-8; assoc. prof., 1918-.—*b.* Lowryville, S. C., Mar. 31, 1889; *s.* Jas. Samuel and Matilda (Wilks) L.; reared on farm. B S.A., Clemson Agr. Coll., 1908; M.S., Univ. Wis.

Lowther, Granville, hort. and writer, Yakima, Wash.

Acting pres. Southwest Kans. Coll., 1896-8; Methodist preacher, 1874-1902; hort., Wash., 1905-. Mem. Governor's Adv. Bd., Wash. *Ed.*, Encyclodepia of Horticulture, 1914; contributing ed., Northwest Farm Trio, Spokane.—*b.* Doddridge Co., W. Va., Jan. 19, 1848; *s.* Jesse and Hannah (Leeson) L.; reared on farm; *m.* Elizabeth Ann Boyce; *c.* Ada M., John F., Chas. C., Lola E., Mabel E.

Luckett, James Douglass, ed. and librarian, N. Y. Agr. Exp. Sta., Geneva, N. Y.

Farmer, Fairfax Co., Va., 3 yrs. Sci. asst., States Relations Serv., U. S. Dept. Agr.; field crops ed., Experiment Station Record, 1916-20; present position, 1920-.(Agron.).—*b.* Washington, D. C., Dec. 5. 1891; *s.* Samuel Douglass and Belle (Sparr) L.; reared in city; *m.* Lenore Williams, Mar. 24, 1914. B.S.A., Purdue Univ., 1916; M.S.A., 1919. Sigma Xi; Alpha Tau Omega.

Ludden, John E., co. agrl. agt., Kearney, Neb.

Teach. agr., public sch., Arlington, Wash., 1913-4; Shumway Sch., St. Paul, Neb., 1914-5; prof. agr., State Normal Sch., Kearney, 1915-8; agrl. agt. Antelope Co., 1918-20; Buffalo Co., 1920-.—*b.* Guilderland Center, N. Y., Jan. 18, 1890; *s.* Luther P. and Margaret (Machesney) L.; reared in city; *m.* Addie V. Shanstrom, Dec. 28, 1915; *c.* Addah Jane. B.Sc., Univ. Neb., 1913.

Lueder, Charles Augustus, prof. vet. sci., W. Va. Univ., Morgantown, W. Va.

Present position, 1908-. State consulting vet. of W. Va.—*b.* Nanticoke, Pa., May 30, 1878; *s.* Augustus Byron and Lucy (Lazarus) L.; reared on farm; *m.* Julia A. Lull, Dec. 30, 1903; *c.* Lydia, Eloise, Rennold Augustus, Chas. A. Jr. D.V.M., N. Y. State Vet. Coll., Cornell Univ., 1902; post grad., 1903.

Lueker, Charles Gottlieb, co. agrl. agt., Jefferson City, Mo.

Teach. high-sch., Palestine, Tex., 1908-11; grad. asst. Germanic languages, Univ. Mo., 1911-3; instr. German, Univ. of South, 1913-4; teach. State Agrl. Sch., Ark., 1916-8; present position, 1918-.—*b.* Madison Co., Ill., Jan. 5, 1879; *s.* Chas. H. and Sophie (Steinmann) L.; reared in country. A.B., Univ. Ark., 1908; B.S., Kans. State Agr. Coll., 1916.

Lueker, Traugott Frederick, co. agrl. agt., Arkadelphia, Ark.

Farmer, 1910-1; teach. high-sch., Camden, Ark., 1911-4; present position, 1914-. (Rural marketing).—*b.* Warden, Ill., Mar. 10, 1884; *s.* Carl and Anna (Steinmann) L.; reared on farm; *m.* Mamie White, July 30, 1913. B.A., Univ. Ark., 1910.

Luginbill, Philip, ent., U. S. Ent. Sta., 1420 Pendleton St., Columbia, S. C.

Teach. public schs., O., 1904-6. Fellow A. A. A. S.—*b.* Columbus Grove, O., Oct. 16, 1884; *s.* John and Anna (Zincc) L.; reared on farm; *m.* Alma K. Dean, Nov. 5, 1909; *c.* Dean Osborn, Webster Francis, Georgia Annette, Philip Jr. B.S.A., Ohio State Univ., 1910; M.A., Univ. S. C., 1917.

Luithly, John Albert Jr., asst. prof. dairy husb., Univ. Neb., Lincoln, Neb.

Instr. dairy manufacturing, Ia. State Coll., 1914-6; present position, 1916-. —*b.* Washington Co., Ia., Oct. 6, 1888; *s.* J. A. and Anna M. (Varain) L.; reared on farm. B.S., Ia. State Coll., 1914.

Lull, Robert Delano, distr. manag. for New England Milk Producers Assoc., 393 Main St., Worcester, Mass.

Asst. supt. estate F. G. Crane, Dalton, Mass., 1911-2; supt. estate H. C. Frick, Hamilton, 1912-4; community agrl. agt., Hardwick, 1914-8; present position, 1918-.—*b.* Windsor, Vt., Dec. 21, 1879; *s.* Geo. Delano and Lilla Kate (Fletcher) L.; reared on farm; *m.* Helen Wentworth Pray, June 22, 1911; *c.* Robt. Delano. B.Sc., Mass. Agr. Coll., 1911. Phi Sigma Kappa.

Lumbrick, Arthur, co. agrl. agt., Danville, Ill.

b. Charleston, Ill., Oct. 11, 1882; *s.* Jas. S. and Clementine (Nicholson) L.; reared on farm; *m.* Myrtle Mae Huston, Dec. 22, 1909; *c.* Margaret Mae, Mary Elizabeth, Ruth Catherine, Martha Louise, Ester Clementine. B.S., Univ. Ill., 1908. Alpha Zeta.

Lumley, Frederick E., prof. social sci., Coll. of Missions, Indianapolis, Ind.

Princ. Sinclair Coll., St. Thomas, Ont., 1906-8; asst. anthropology, Yale Univ., 1909-12; present position, 1912-. Mem. Com. on Social Serv. and Rural Church, Disciples of Christ. Chm. Com. on Development of Local Charities, Ind. State Bd. of Charities.—*b.* Iona, Ont., June 7, 1880· *s.* Moses W. and Dana E. (Williams) L.; reared in village and on farm; *m.* Margaretta Saywell, Oct. 4, 1905; *c.* Hillis. B.A., Hiram Coll., O., 1905; M.A., McMaster Univ., Toronto, 1907; B.D., Yale Univ., 1909; Ph.D., 1912.

Lumsden, David, asst. prof. flor., Cornell Univ., Ithaca, N. Y.

Instr. hort., N. H. Coll., 1908-14; present position, 1914-. Floral decorator to Duke of Westminster, 2½ yrs.; foreman, Nova Scotia Nursery Co., Halifax, 2½ yrs.; floral decorator and lands. gard., Thos. F. Galvin Co., Boston, 2 yrs.; manag., W. W. Edgar Co., Waverley, Mass., 4 yrs. Fellow Royal Hort. Soc. Vice-pres. for N. H., Veg. Growers Assoc. of Amer., 1912-3.—*b.* England, June 21, 1871 (naturalized 1905); *s.* David and Mary (Allen) L.; reared in town; *m.* Sarah Jane Quincey, Jan. 31, 1893; *c.* Mary Florence, David Victor, Geo. Quincy, Wm. Edward.

Lund, Frantz Peter, specialist canning and drying, States Relations Serv., U. S. Dept. Agr., Washington, D. C.

Teach. coll., Skanderborg, Denmark, 1889-90; teach. parochial sch., Clinton, Ia., 1890-2; public schs., Wharton Co., Tex., 1897-1905; princ. boy's high-sch., Christiansted, St. Croix, Virgin Isls., 1905-8; chg. expl. farm, Midfields, Tex., 1908-11; present position, 1916-. Gave instr. in home canning and drying of food products to profs. and teachers of agrl. schs. of France, summer 1919.—*b.* Honum, Denmark, June 29, 1866 (naturalized 1905); *s.* Johannes J. and Karen Marie (Nielsen) L.; reared in country; *m.* Ella Sarah Kramer, 1896; *c.* Harry V., Einar V. Student Univ. Copenhagen

Lusk, William F., prof. rural educ., Cornell Univ., Ithaca, N. Y.

Princ. Polk Co., Wis., Teachers Training Sch., 1905-7; teach. physics and agr., Stevens Point Normal, 1907-11; asst. prof. agrl. educ., Univ. Minn., 1914-7; present position, 1917-.—*b.* River Falls, Wis., Aug. 1, 1874; *s.* David McKinley and Susan (Foster) L.; reared on farm; *m.* Lucy Kimberly Peckham, June, 1905. Ph.B., Univ. Wis., 1903; M.S., Univ. Minn., 1916. Gamma Sigma Delta.

Lute, Harry Detlef, farmer and stockman, Paxton, Neb.

Dir. State Bd. of Farmers Educ. and Coop. Union; pres. farmers insts. and lect. Neb. del. to Dry-Farming Congress, Lethbridge, Alta.—*b.* Holstein, Germany, Jan. 8, 1870 (naturalized as minor); *s.* John and Anna (Wulf) L.; reared on farm; *m.* Lulu Woods, Sept. 20, 1904; *c.* Marjorie, Harriet. Grad. Sch. Agr., Univ. Neb., 1904.

Luther, Ernest Leonard, supt. farmers insts. and state superv. co. agrl. agts., Univ. Wis., Madison, Wis.

Supt. schs., Kalkosha, Mich., 1895-1902; co. supt. schs., 1899-1901; supt.

schs., Eston Rapids, 1902-4; Ripon, Wis., 1904-10.—*b.* Hart, Mich., Sept. 25, 1868; *s.* M. A. and Ida I. (Corbin) L.; reared on farm; *m.* Lulu M. Eddy, June 26, 1896; *c.* Breta Marie, Melvin Eddy. A.B., Olivet Coll., 1895; B.S.A., Univ. Wis., 1912.

Lutman, Benjamin Franklin, plant path., Vt. Exp. Sta. and Univ. Vt., Burlington, Vt.

Present position, 1909–.—*b.* Joplin, Mo., Sept. 26, 1879; *s.* David and Anna (Carson) L.; reared in town; *m.* Anna B. Shepard, Jan. 31, 1912; *c.* Frank, Grace. A.B., Univ. Mo., 1906; Ph.D., Univ. Wis., 1909; studied Poppelsdorf Agr. Acad. and Biol. Anstat, Berlin, Mar.-Nov., 1912. Sigma Xi; Alpha Zeta.

Lyman, Charles Adelbert, exec. sec. Nat. Bd. Farm Organizations, 615 Woodward Bldg., Washington, D. C.

Dairy farmer, Sun-Prairie, Wis., 1904-14; Rhinelander, 1914-8. Gen. organizer Nat. Agrl. Organization Soc. Studied agr. in British Isles 1915. Superv. Census, 2d Wis. Distr., 1910.—*b.* Steele City, Neb., Sept. 6, 1882; *s.* Chas. A. and Delia (Gilman) L.; reared on farm; *m.* Helen Miriam Sheldon, Sept. 7, 1904; *c.* John Sheldon, Sydney Louise, Phoebe. B.A., Univ. Wis., 1904. Psi Upsilon.

Lyman, George Richard, path. in chg. plant disease survey, Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Instr. bot., Dartmouth Coll., 1901-4; asst. prof., 1904-13; path. insp., Fed. Hort. Bd., 1913-7; present position, 1917–. Fellow Amer. Acad. Arts and Sci.; fellow A. A. A. S. Sec.-treas. Amer. Phytopath. Soc., 1919; mem. War Emergency Bd., Amer. Plant Pathologists, 1918, chm. adv. bd., 1919-20. (Plant disease geography).—*b.* Lee Center, Ill., Dec. 1, 1871; *s.* Geo. A. and Mary E. (Jones) L.; reared on farm; *m.* Frances E. Badger, June 23, 1903; *c.* Mavis Katharine. A.B., Beloit Coll., 1894; A.M., Harvard Univ., 1899; Ph.D., 1906. Phi Beta Kappa; Beta Theta Pi.

Lyman, John F., prof. agrl. chem., Ohio State Univ., Columbus, O.

Asst. agrl. chem., Ohio State Univ., 1905-6; student asst. biol., Yale Univ., 1907-9; present position, 1909–.—*b.* Mesopotamia, O., Feb. 20, 1881; *s.* Carlos P. and Cerinthia A. (Bates) L.; reared in small village; *m.* Cornelia Bull, Dec. 29, 1909; *c.* Eloise Caldwell, Edith Fisk. M.Sc., Mass. Agr. Coll., 1905; Ph.D., Yale Univ., 1909. Sigma Xi; Kappa Sigma.

Lyman, Richard Pope, dean vet. div., Mich. Agr. Coll., E. Lansing, Mich.

Asst. prof. med., Kans. City Vet. Coll., 1908-9; prof. med. and obstetrics, 1909-10; prof. vet. sci., Mich. Agr. Coll., 1910–; dean vet. div., 1911–. Chm. Com. on Vet. Educ. appointed by James Wilson, 1908. Consulting vet. for State Cattle Comn., Conn. Vice-pres. Amer. Vet. Assoc.; sec., 7 yrs.; chm. pub. com., Amer. Vet. Med. Assoc., 6 yrs. *Ed.*, Journal Vet. Med.; collaborator Amer. Vet. Review.—*b.* Concord, Mass., Aug. 5, 1872; *s.* Chas. Parker and Lucy Ellery (Pope) L.; reared on farm and in city; *m.* Annie Downing Evans, Feb 16, 1898; *c.* Bertha D., Richard P. Jr. B.S., Mass. Agr. Coll., 1892; M.D.V., Harvard Univ., 1894. Alpha Psi.

Lynch, Lizzie, farmer, Plains, Mont.

Pres. Sanders Co. Farm Bur. (Irrig.). —*b.* Ohiopyle, Pa., Jan. 18, 1862; *d.* Joseph and Margretta (Johnston) Williams; reared in town; *m.* Neptune Lynch, 1887; *c.* Agatha M., Pearl M., Neptune A.

Lyness, Charles Enoch, co. agrl. agt., Waseca, Minn.

Instr. agr., high-sch., Annandale, Minn., 1912-4; New Richland, 1914-8. —*b.* Walnut, Kans., Feb. 11, 1885; *s.* John J. and Alma (McDermond) L.; reared on farm; *m.* Mae Virgie Hildebrand, June 16, 1915. B.S., Kans. State Agr. Coll., 1912.

Lyness, Willard Earl, co. agrl. agt., Walthill, Neb.

Asst. supt., Dry Land Agr. Exp. Sta., Akron, Colo., 1916; asst., Dry Land Agr. Coop. Exp. Sta., Archer, Wyo., 1917-8; asst. co. agt., Thurston Co., Neb., 1918-9; co. agt., 1919–.—*b.* Walnut, Kans., Dec. 13, 1888; *s.* John J. and Alma C. (McDermond) L.; reared on farm. B.S.A., Kans. State Agr. Coll., 1916.

Lyon, Harold Lloyd, in chg. dept. bot. and for.. Exp. Sta., Hawaiian Sugar Planters Assoc., Honolulu. H. I.

Instr. bot., Univ. Minn. 1900-5; asst. prof., 1905-7. Conducted invests. on sugar-cane, pineapples and for. in Fiji Isls., Australia, Java, Fed. Malay States. Philippines, Cuba, Jamaica, Canal Zone, southern U. S., Hawaii.—*b.* Hastings, Minn., Oct. 14, 1879; *s.* Wm. Henry and Mary (McCarriel) L.; reared on farm and in town; *m.* Maude Fletcher, July 19, 1905. B.S., Univ. Minn., 1900; M.S., 1901; Ph.D., 1903.

Lyon, Harry Arthur, dir. Bur. Markets, Ida. Dept. Agr., Boise, Ida.

b. Mich., Feb. 6, 1888; *s.* A. G. and Ettie M. (Austin) L.; reared on farm; *m.* Eleanor R. Russell, Sept. 13, 1913; *c.* 5. Student Alma Coll., Univ. Mich.

Lyon, Thomas Lyttleton, prof. soil tech., Cornell Univ., Ithaca, N. Y.

Instr. chem., Univ. Neb., 1891-3; asst. chem., Neb. Exp. Sta., 1894-5; prof. agr., Univ. Neb., 1895-1906; present position, 1906–. Fellow A. A. A. S. *Auth.:* (with Montgomery) Examining and Grading Grains; (with Fippin) Principles of Soil Management, 1909; (with Fippin and Buckman) Soils, Their Properties and Management, 1915; Soils and Fertilizers, 1917.—*b.* Alleghany Co., Pa., Feb. 17, 1869; *s.* Jas. B. and Anna M. (Lyon) L.; reared in country; *m.* Bertha L. Clark, 1899; *c.* John Lyttleton, Geo. Clark. B.S.A., Cornell Univ., 1891; Ph.D., 1904; studied Univ. Goettingen, 1893-4. Sigma Xi; Phi Gamma Delta.

Lytle, Arthur Clinton, co. agrl. agt., Gaylord, Mich.

Field invest. in dairying, Mich. Agr. Coll., 1915-8. Sergeant Coast Artillery Corps, U. S. Army, served in A. E. F.—*b.* Lawton, Mich., Sept. 12, 1891; *s.* Chas. S. and Estella (Birdsall) L.; reared on farm. B.S., Mich. Agr. Coll., 1915.

M

Macdonald, Angus Bernard, agrl. rep., Guysboro, N. S.

Lect. high-sch. hist. and math., St. Francis Xavier's Univ., 1914. (Rural sociol. and econ.).—*b.* Glassburn, N. S., Nov. 21, 1893; *s.* John B. and Florence (MacDonald) M.; reared on farm. B.A., St. Francis Xavier's Univ., Antigonish, N. S., 1915; B.S.A., Ont. Agr. Coll., 1920.

MacDonald, Gilmour Byers, prof. for., Ia. State Coll., Ames, Ia.

Asst. prof., 1911-4; prof., 1914–.—*b.* Carleton, Neb., Mar. 9, 1883; *s.* J. M. and Janet (Piercy) M.; reared in country and city; *m.* Edith L. Craig, Feb. 1, 1910; *c.* Gilmour Craig, Donald Craig, Mary Janet. B.Sc. in For., Univ. Neb., 1907; M.F., 1914. Alpha Theta Chi; Phi Kappa Phi; Gamma Sigma Delta.

MacDonald, Thomas Harris, chief Bur. Public Roads, U. S. Dept. Agr., Washington, D. C.

Asst. prof. civil engin., Ia. State Coll., 1904-5; chief engin., Ia. State Highway Comm., 1904-19; present position, 1919–. Mem. exec. com., Amer. Assoc. State Highway Officials.—*b.* Leadville, Colo., July 23, 1881; *s.* John and Elizabeth (Harris) M.; reared in town; *m.* Bess Dunham, 1907; *c.* Thos. H. Jr., Margaret Elizabeth. B.C.E., Ia. State Coll., 1904. Beta Theta Pi; Tau Beta Pi.

MacDougall, Allister Francis, co. agrl. agt., Northampton, Mass.

Ext. dept., Mass. Agr. Coll., 1913-5; agt. Hampshire Co., 1915–. Sec. Mass. Fed. Farm Burs. and Improvement Leagues.—*b.* Westford, Mass., July 18, 1891; *s.* Alexander and Hattie (Lee) M.; reared on farm; *m.* Edna C. Comins, Mar. 20, 1915; *c.* Henriette Louise. B.Sc., Mass. Agr. Coll., 1913. Phi Sigma Kappa.

MacDougall, John, clergyman, Port Elgin, Ont.

Special lect., Knox Coll., Toronto, 1914; lect. summer schs. *Auth.:* Rural Life in Canada, Its Trends and Tasks, 1913.—*b.* Ormstown, Que., Sept. 14, 1859; *s.* Wm. and Christena (MacPherson) M.; reared on farm; *m.* Frances Childerhose, 1889; *c.* Christina Frances, Florence Elizabeth, Helen Margaret, Baldwin Childerhose, Kenneth, John Lorne. B.A., McGill Univ.; D.D., Queen's Univ., 1914.

Mace, William A., agron., Porto Rico Agrl. Exp. Sta., Mayaguez, Porto Rico.

With Bur. Agr., Manila, Philippine Isls., 1908-16; present position, 1916–. —*b.* Eulonia, S. C., May 28, 1885; *s.* T. L. and Eugenia (Gasque) M.; reared on farm; *m.* Gertrude Louise Guller, Dec. 13, 1919. B. S., Clemson Agr. Coll., 1908.

Macfarland, Charles S., gen. sec. Fed. Council of the Churches of Christ in Amer., 105 E. 22d St., New York City.

Ordained Congregational minister, 1897; asst. biblical literature, Yale Univ., 1899-1900; minister, Malden, Mass., 1900-6; pastor, S. Norwalk, Conn., 1906-11; lect., Yale Divinity Council of Churches of Christ, 1911-2; gen. sec., 1912–. Mem. Nat. Bd. Censorship of Moving Pictures; Nat. Com. on Prison Labor; Nat. Civic Fed.; field scout comnr. of Boy Scouts of Amer. Del. to World Alliance of Churches, Constance, Germany, 1914; Latin-American Conference, Panama, 1916; special comnr. to France, 1918; Knight of the Legion of Honor (France), 1919; Officer of the Order of Leopold (Belgium), 1919. *Auth.:* The Spirit Christlike, 1903; Jesus and the Prophets, 1905; The Infinite Affection, 1906; Spiritual Culture and Social Service, 1912; Christian Unity at Work 1913; Christian Service and the Modern World, 1915; The Progress of Church Federation, 1917. *Ed.*, The Christian Ministry and the Social Order, 1910; The Churches of the Federal Council, 1916; The Churches of Christ in Council, 1917; The Churches of Christ in Time of War, 1917; Library of Christian Cooperation, 1917. (Country church).—*b.* Boston, Mass., Dec. 12, 1866; *s.* Daniel and Sarah A. (Crafts) M.; reared in city; *m.* Mary Perley Merrill, Mar. 9, 1904; *c.* Chas. S.-Jr., Lucia Merrill, Jas. Merrill. B.D., Yale Univ., 1897; Ph.D., 1899; D.D., Ursinus Coll., 1915; D D., Divinity Faculty of Paris, 1918.

Macfarlane, Wallace, agrl. adv., Hawaiian Fertilizer Co., Ltd., Honolulu, H. I.

Chem., Utah Chem. and Fert. Co., summers 1907-8; asst. supt., Utah Sulphur Co., 1909; asst. chem., Utah Exp. Sta., 1910-2; asst. prof. agron., Okla. A. & M. Coll., 1916-7; agron., Univ. Ariz., 1917; chem., Hawaii Agrl. Exp. Sta., 1919-20; present position, 1920–. In Regular U. S. Army, 1917-8; in Chem. Warfare Serv., 1918.—*b.* Silver Reef, Utah, Dec. 18, 1886; *s.* John Morton and Nora (Andrus) M.; reared on farm and in city; *m.* Daisy Dean Marsh, June 7, 1917; *c.* Wallace Marsh. B.S., Univ. Utah, 1910; M.S., Univ. Ill., 1913; Ph.D., 1915. Phi Delta Theta.

MacGillivray, Alexander Dyer, prof. ent., Univ. Ill., Urbana, Ill.

Asst. ent., Cornell Univ., 1890-1900; instr., 1900-6; asst. prof., 1906-11; asst. prof. systematic ent., Univ. Ill., 1911-3; assoc. prof., 1913-7; prof. ent., 1917–; specialist, Me. Exp. Sta., summer 1913. Fellow A. A. A. S.; fellow Ent. Soc. Amer. and sec.-treas., 1911-5. (Teuthredinoidea, Coccidae). —*b.* Inverness, O., July 15, 1868; *s.* John Hugh and Elizabeth (Adams) M.; reared in city and farm; *m.* Fannie Mary Edwards, Sept. 17, 1891; *c.* Malcolm Edwards, John Henry. Ph.B., Cornell Univ., 1900; Ph.D., 1904. Sigma Xi; Gamma Alpha.

MacIntire, Walter Hoge, soil chem., Univ. Tenn. Exp. Sta., Knoxville, Tenn.

Chem., N. C. State Bd. Health, 1905-7; asst. an. nutr., Pa. Inst. An. Nutr., 1907-8; assoc. agron., Penn. State Coll., 1908-10; assoc., 1910-2; present position, 1912–. Assoc. referee and referee, Assoc. Official Agrl. Chems., 1911-8, referee for soils, 1919. (Lime and sulfureous fertilizers).—*b.* Wilmington, N. C., May 19, 1885; *s.* Robt. Mosier and Sarah Lavinia (McKay) M.; reared in city; *m.* Edna M. Meyer, Feb., 1911; *c.* Sarah Elizabeth, J. Robt. Wilson. B.S., N. C. A.&M. Coll., 1905; M.S., Penn. State Coll., 1909; Ph.D., Cornell Univ., 1916. Sigma Xi; Kappa Alpha.

MacKay, Kenneth George, prof. dairying, Univ. Sask., Saskatoon, Sask.

Asst. prof. dairying, Univ. Sask., 1914-7; prof., 1917–. Asst. dairy comnr., Sask., 1913-4. Sec. Sask. Dairymens Assoc., 1915–. Traveled in India and Europe, 1906.—*b.* Scotsburn, N. S., July 30, 1882; *s.* Daniel G. and Catherine (MacDonald) M.; reared on farm; *m.* Anna M. Nairn, Mar. 24, 1909;

c. Jas. Kenneth, Catherine Elizabeth. B.S.A., Ont. Agr. Coll., 1906; M.S., Ia. State Coll., 1913.

MacKay, Norman Cairns, agrl. rep., Walkerton, Ont.

Instr. agr., Pearson Acad., Walla Walla, Wash., 1911-2; agrl. rep., 1912–. —*b.* Scotsburn, N. S., Jan. 14, 1888; *s.* Daniel and Catherine (MacDonald) M.; reared on farm; *m.* Annie Maud O'Droskie, Dec. 9, 1914; *c.* Catherine Margaret, Donald Hobson. B.S.A., Ont. Agr. Coll. and Univ. Toronto, 1911.

MacKay, William Angus, provincial dairy supt., Truro, N. S.

b. Bruce Co., Ont., Mar. 31, 1879; *s.* Geo. S. and Ann (Fletcher) M.; reared on farm; *m.* Sadie Tennyson, Mar. 28, 1907; *c.* Jean E., Geo. S. Grad. O. A. C. Dairy Sch., 1899; Northern Business Coll., 1906.

Mackie, William Wylie, asst. prof. agron., Univ. Calif., Berkeley, Calif.

With U. S. Bur. Soils, 1903-10; dir. agr., Yaqui Valley Irrig. Project, Sonora, Mex., 1910-5; with Univ. Calif. and U. S. Dept. Agr., 1917–. Traveled in Europe and Turkestan, 1912. (Agr. in semi-arid regions).—*b.* San Francisco, Calif., July 24, 1873: *s.* J. W. and Helen A. (Goodell) M.; reared in city and country; *m.* Julia A. Manchester, 1899; *c.* Jane. B.S., Univ. Calif., 1903; M.S., 1916. Sigma Xi.

Mackintosh, Roger Sherman, ext. specialist hort., Univ. Minn., University Farm, St. Paul, Minn.

Asst. hort., Minn. Exp. Sta., 1896-1903; prof. hort., Ala. Poly. Inst., 1903-9; state hort., Ala., 1903-9; asst. hort., Ia. State Coll., 1909-10; asst. hort., Penn. State Coll., 1910-1; instr. agr., high-sch., Caledonia, Minn., 1911-3; present position, 1913–. Fellow A. A. A. S. Sec. Ala. State Hort. Soc., 1903-9; pres. Minn. State Hort. Soc., 1918-9, asst. sec., 1919–. *Asst. ed.*, Minnesota Horticulturist.—*b.* Lincoln, Mass., Feb. 18, 1872; *s.* Wm. and Eliza Jane (Tuttle) M.; reared on farm; *m.* Laura Belle Wright, Sept. 18, 1901; *c.* Orlesta May. B.Agr., Univ. Minn., 1902; M.S., Ia. State Coll., 1910. Gamma Sigma Delta.

Macklin, Theodore, prof. agrl. econ., Univ. Wis., Madison, Wis.

Ext. dairy lect., Ia. State Coll., 1911-2; prof. agrl. econ., Kans. State Agr. Coll., 1915-9; present position, 1919–. —*b.* Nanking, China, Nov. 10, 1889; *s.* W. E. and Dorothy (DeLany) M.; *m.* Miriam Josephine Robinson, Dec. 28, 1915; *c.* Doris Elizabeth, Theodore Jr. B.S.A., Ia. State Coll., 1911; Ph.D., Univ. Wis., 1917. Alpha Zeta; Gamma Sigma Delta; Delta Sigma Rho; Acacia.

Maclaren, Alexander, sec. Y. M. C. A., 120 Bay St., Toronto, Ont.

In dairy dept., Ont. Agr. Coll., 1909; lect. in dairying, Univ. Ga., 1910; lect. rural sociol., Ont. Agr. Coll., 1916-8; lect. rural community work, Khaki Univ. in Overseas Canadian Army, 1918-9.—*b.* Edinburgh, Scotland, July 9, 1885; *s.* John Wilson and Margaret (Scott) M.; *m.* Minnie Stewart Walker, July 2, 1912; *c.* John Wilson, Wm. Jas., Alexander Stewart. B.S.A., Toronto Univ., 1909.

Macoun, William Terrill, Dominion hort., Cent. Expl. Farm, Ottawa, Ont.

Asst. to dir. and foreman for., Cent. Expl. Farm, 1893-6; curator of arboretum and bot. gard., 1896-8; hort. and curator arboretum and bot. gard., 1898-1910; Dominion hort., 1910–. Vice-pres. Amer. Pom. Soc.; vice-pres. Potato Soc. of Amer.; vice-pres. Soc. for Hort. Sci. Del. to Royal Intern. Hort. Exhibition, London, 1912.—*b.* Belleville, Ont., Jan. 27, 1869; *s.* John and Ellen (Terrill) M.; reared in city; *m.* Elizabeth Macoun, Oct. 3, 1895; *c.* John, Norah, Mary, Patricia. Grad. Ottawa Collegiate Inst.

Macpherson, Hector, prof. econ. and sociol. and dir. Bur. Markets, Ore. Agr. Coll., Corvallis, Ore.

Instr. econ. and sociol., Mich. Agr. Coll., 1909-11; instr. econ., Univ. Ill., 1911-2; present position, 1912–. Mem. Amer. Comn. to study agrl. and rural credits in Europe, 1913; mem. State Rural Credits Comn., 1913-4.—*b.* Ont., Apr. 22, 1875 (naturalized 1916); *s.* Alexander M. and Miriam (Fairgrieve) M.; reared on farm; *m.* Margaret Buchanan Dupee, 1912; *c.* David Dupee, Miriam Elizabeth, Hector Jr.

B.A., Queen's Univ., 1903; S.M., Univ. Chicago, 1909; PhD., 1911; student Univ. Halle, Univ. Berlin.

MacVittie, Alexander, co. agrl. agt., Caro, Mich.

Teach. high-sch., St. Johns, Mich., 1911-3; Bay City, 1913-7; present position, 1917-.—*b.* Forester, Mich., Jan. 2, 1883; *s.* Archibald and Maria (Lawton) M.; reared on farm; *m.* Lillian Kendall, July 13, 1912. B.S., Mich. Agr. Coll., 1911.

Macy, Harold, asst. prof. dairy bact. and asst. dairy bact. Exp. Sta., Univ. Minn., University Farm, St. Paul, Minn.

Bact., Mutual-McDermott Dairy Corp., N. Y. City, 1916; bact. for city of Geneva at N. Y. State Exp. Sta., 1917; present position, 1919-. With Amer. Red Cross Sanitary Serv., 1917-8; in U. S. Army, path. lab., 1918-9.—*b.* Hudson, N. Y., Jan. 23, 1895; *s.* Frank Weed and Carrie (Damm) M.; reared in city. B.S., Cornell Univ., 1917. Alpha Zeta; Gamma Alpha.

Maddux, Henry Towns, jr. prof. journalism and agrl. ed., Univ. Ga., Athens, Ga.

Served in U. S. Army, World War. (Agrl. advertising and publicity).—*b.* Senoia, Ga., Jan. 23, 1893; *s.* John Henry and Lulu Belle (Towns) M.; reared on farm. A.B., B.S.A., Univ. Ga., 1914.

Madison, Clyde Chloe, co. agrl. agt., Aurora, Ind.

Teach. grades, 1909-12. Mem. Dearborn Co. Council of Defense.—*b.* Boone Co., Ind., June 19, 1883; *s.* Wm. and Emma (Craig) M.; reared on farm. B.S., Marion Normal Coll., 1909; B.S.A., Purdue Univ., 1917.

Madison, Henry Maxwell, gen. farm and immigration agt., S. A. & A. P. Railway, 420 Bedell Bldg., San Antonio, Tex.

Farmer, Tex., 1915-20; ed., author and newspaper correspondent. Sec.-treas. Tex. Ry. Development Assoc. (Farm and ind. econ.).—*b.* near New Albany, Ind., May 29, 1864; *s.* Peter and Lucy (Mc Quain) M.; reared on farm; *m.* Clara Duggan, Dec. 23, 1902.

Madson, Ben Adolph, asst. prof. agron., Univ. Calif., Davis, Calif.

b. Jewell Jct., Ia., Mar. 19, 1887; *s.* Nels and Johanna (Jepson) M.; reared on farm; *m.* Mary Ellen Quane, June 26, 1912. B.S.A., Ia. State Coll., 1907.

Magee, Wayland Wells, farm manag., Bennington, Neb.

Treas. Douglas Co. Live Stock Breeders Assoc. Traveled around world, 2 yrs. (Corn, pigs).—*b.* Chicago, Ill., Sept. 24, 1881; *s.* Henry Wells and Hattie Belle (Pratt) M.; *m.* Marion Edith Thomas, Nov. 24, 1914 (d. 1920); *c.* Louise Field II., Marion Thos. S.B., Univ. Chicago, 1905; admitted to Ill. Bar, 1908; student Univ. Bonn, Germany, Harvard Univ., Ogden Grad. Sch., Univ. Neb. Alpha Delta Phi.

Magill, Edmund Charles, assoc. prof. agrl. educ., Va. Poly. Inst., Blacksburg, Va.

Grad. instr., Kans. State Agr. Coll., 1912-3; agrl. instr., associated schs., Wayzata, Minn., 1913-6; garden specialist, Va. Poly. Inst., 1918-9; present position, 1919-; manag. partner, Parkhead Orchard Co., Big Pool, Md., 1916-8. Mem. bd. dirs., Potomoc Fruit Exchange, Cumberland, Md., 1917-8.—*b.* Kingman, Kans., Nov. 8, 1889; *s.* Chas. Arthur and Evangeline Constance (Ward) M.; reared in town; *m.* Mildred Barr, June 30, 1915; *c.* Walter Barr, Chas. A. Jr. B.S., Kans. State Agr. Coll., 1912. Sigma Nu; Alpha Zeta.

Magnuson, Harry Peter, soil sci., Bur. Soils, U. S. Dept. Agr., Washington, D. C.

With Tex. A. & M. Coll., 1916; present position, 1917-.—*b.* Gottenburg, Neb., May 11, 1889; *s.* John and Christine (Johnson) M.; reared on farm. B.Sc., Univ. Neb., 1916. Alpha Zeta; Alpha Chi Sigma.

Magoon, Charles Alden, asst. plant physiol., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Asst. chem. and bact., Boston Biochem. Lab., 1911-3; assoc. prof. bot. and asst. bact. Exp. Sta., Wash. State Coll., 1913-5; assoc. prof. bact. and bact., 1916-8; present position, 1918-. (Bact.).—*b.* St. Albans, Me., Oct. 14, 1883; *s.* Lindley H. and Elizabeth S.

(Bates) M.; reared on farm; *m.* Ella Briggs Russell, Sept. 3, 1913. A.B., Bates Coll., 1910; grad. student Mass. Inst., Tech., 1910-1, Univ. Minn., 1915-6.

Magruder, William Thomas Jr., state dairy comnr., State Capitol, Nashville, Tenn.
Chem., John Wildi Evaporated Milk Co., 1915; manag. Ewell Farm, Spring Hill, Tenn., 1916-8.—*b.* Nashville, Tenn. Dec. 11, 1892; *s.* Wm. Thos. and Ellen (Malone) M.; reared in city; *m.* Eliza Warren, Feb. 22, 1919. B.A., Ohio State Univ., 1915; B.Sc. in Agr., 1916. Beta Theta Pi.

Mahan, Charles Alfred, distr. superv. of co. agrl. agt. work, Ohio State Univ., Columbus, O.
Field test asst., Ky. Exp. Sta., 1907; special agt., tobacco invests., U. S. Dept. Agr., 1908-9; teach. sci., Bur. Educ. and supt. Tobacco Exp. Sta., Philippine Isls., 1909-11; stock farmer, Ky., 1912; co. agrl. agt., Henderson, Ky., 1913, Winchester, Ind., 1914-6, Fremont, O., 1917.—*b.* Ky., Jan. 29, 1888; *s.* W. M. and Louisa (Archer) M.; reared on farm; *m.* Mary Dent King, 1915. B.S.A., Univ. Ky., 1907; M.S., 1908.

Maharg, Earl, co. agrl. agt., Sac City, Ia.
b. Audubon, Ia., Sept. 23, 1883; *s.* Sarah (Ford) M.; reared on farm; *m.* Mary A. Davenport, 1906; *c.* Helen, Jack, Mary-Jane. B.S.A., Ia. State Coll. Kappa Sigma.

Maheux, Georges, provincial ent., Dept. Agr., Quebec, Que.
Sec. Faculty of For., Laval Univ., 1914-6; prof. for. protection, 1916-. Dir. Que. Soc. for Protection of Plants. (Econ. ent.).—*b.* S. Julie, Que., Dec. 8, 1889; *s.* Joseph and Celine (Gagné) M.; reared in country; *m.* Julie Mathieu, June 14, 1915. B.A., Laval Univ., 1911; For. Engin., 1914.

Mairs, Thomas Isaiah, prof. agrl. educ., Penn. State Coll., State College, Pa.
Supt. field exps., Univ. Ill., 1896-7; asst. agr. and supt. farm, Univ. Mo., 1897-1901; asst. correspondence courses, Penn. State Coll., 1901-3; asst. prof. an. husb., 1903-7; assoc. prof., 1907-9; prof. agrl. educ., 1909-. Staff of Rural Educator.—*b.* Browning, Mo., Apr. 16, 1871; *s.* Joseph W. and Mary (Curtis) M.; reared on farm; *m.* Charlotte M. Riley, July 30, 1902; *c.* Thos. I. Jr., J. Curtis, Edward S. B.Agr., Univ. Mo., 1896; M.S., 1900. Alpha Zeta.

Major, Horace Fairchild, lands. arch., asst. prof. lands. gard., Univ. Mo., Columbia, Mo.
Instr. lands. gard., Univ. Ill., 1908-10; present position, 1910-. Traveled in Europe and England.—*b.* Ithaca, N. Y., Oct. 25, 1884; *s.* Wm. F. and Estelle (Tripp) M.; reared in city. B.S.A., Cornell Univ., 1908. Theta Xi; Alpha Gamma Rho; Sigma Kappa Zeta.

Malcomson, Alden Washington, co. agrl. agt., Marshall, Minn.
Instr., Univ. Minn., 1916-8. (Pork production).—*b.* LeRoy, Minn., Mar. 8, 1889; *s.* Henry and Celia (Leslie) M.; reared on farm. B.S., Univ. Minn., 1916; M.S., 1918. Alpha Zeta.

Mally, Frederick William, farm dem. dir., U. S. Dept. Agr., and dir. farm and truck crop irrig. projects, Laredo, Tex.
Asst. state ent., Ill., 1890; asst. ent., U. S. Dept. Agr., 1890-2; general manag., Galveston Nursery & Orchard Co., Dickinson, Tex., 1893-8; proprietor, 1898-; proprietor Mally Nursery Co.; Tex. state ent. and prof. ent., Tex. A.&M. Coll., 1899-1903; state ent., Tex. Dept. Agr., 1909-10; dir. farms, gardens and orchards, Cross S. Farming Co., 1910-5; present position, 1915-. Sec. Laredo Chamber of Commerce. Pres. Tex. State Hort. Soc., 1900; pres. State Truck Growers Assoc., 1901.—*b.* Marquisville, Ia., Nov. 30, 1868; *s.* Frederick Henry and Anna Katherine (Stoetzel) M.; *m.* Mattie J. Tabor, July 15, 1909. M.Sc., Ia. State Coll.

Malone, Robert Emmick, state teach. trainer for Fed. Bd. Voc. Educ., Agr. and Tech. Coll., Greensboro, N. C.
Dir. orcharding, Tuskegee Inst., 1910-2; dir. agr., Western Univ., 1912-5; dir. agr., Topeka Inst., 1915-7; formerly dir. agr., and princ. Orange Co. Training Sch., Chapel Hill, N. C.—*b.* Louisville, Ky., Apr. 25, 1888; *s.* Edward C. and Cora Lee (Hansberry) M. (col.); reared in city; *m.* Mattie Frances

Holmes, Sept. 4, 1912; *c.* Cora May, Ethel. Grad. Hampton Inst., 1909; student Cornell Univ., 1919.

Maloney, Avery C., co. agrl. agt., Ft. Scott, Kans.
Field asst. in insp. Kaured wheat, Bur. Plant Ind., summer, 1917. (Dairying, agron.).—*b.* Kalamazoo, Mich., Jan. 29, 1888; *s.* Michael and Margaret (Daffy) M.; reared on farm; *m.* Roberta Schied, June 20, 1910; *c.* Mary Eleanor. B.S., Kans. State Agr. Coll., 1917.

Manchester, Allen Wilbur, farm manag. dem., Conn. Agr. Coll., Storrs, Conn.
Co. agrl. agt., Litchfield Co., Conn., 4 yrs.; dairy and general farmer, Bristol, 10 yrs.—*b.* Bristol, Conn., Mar. 14, 1883; *s.* Elbert and Mary Hamilton (Blakesley) M.; reared on farm; *m.* Marie Lovsnes, Mar. 31, 1919. B.Agr., Conn. Agr. Coll., 1903; B.A., Brown Univ., 1906. Delta Tau Delta.

Maney, Thomas Joseph, chief pom. sect., Ia. Exp. Sta., Ames, Ia.
Asst. pom., Ia. Exp. Sta., 1912-5; asst. chief pom., 1915-7; chief, 1917-.—*b.* Geneva, N. Y., Apr. 24, 1888; *s.* Thos. and Ellen (Desmond) M.; reared on farm. B.S., Ia. State Coll., 1912.

Manley, Percy Cyrus, co. agrl. agt., Staunton, Va.
Agrl. agt. Wetzel Co., W. Va., 1915-7; farm manag., Fairmont, W. Va., 1917-8; agrl. agt. Augusta Co., Va., 1918-.—*b.* Marion Co., W. Va., Aug. 19, 1887; *s.* John R. and Alice (Morris) M.; reared on farm; *m.* George Anna McKendree, July, 1915; *c.* Geo. McKendree. B.S.A., W. Va. Univ., 1915. Kappa Alpha.

Mann, Albert Russell, dean N. Y. State Coll. Agr., dir. ext., and dir. Exp. Sta., Cornell Univ., Ithaca, N. Y.
Asst. supt. Thompson Isl. Sch., Boston, 1904-5; asst. ed., Bailey's Cyclopedia Amer. Agr., 1905-8; asst. prof. dairy ind., Cornell Univ., 1908; sec. to dir. and ed., 1909-10; sec. and registrar, Coll. Agr., prof. agrl. editing, 1910-5; prof. rural social organization, 1915-6; acting dean Coll. Agr., 1916-7; dean, 1917-. *Auth.:* Beginnings in Agriculture, 1911. (Rural social organization).—*b.* Hawkins, Pa., Dec. 26, 1880; *s.* Wm. I. and Sarah (Lansing) M.; reared in city; *m.* Mary Douglass Judd, Aug. 23, 1906; *c.* Marion Lansing, Jeanette Wilbur, Malcolm Judd, Dorothy Douglass. B.S.A., Cornell Univ., 1904; A.M., Univ. Chicago, 1916. Sigma Xi; Alpha Zeta; Kappa Delta Rho.

Mann, Charles William, pom. in chg. fruit transportation and storage invests., Bur. Markets, U. S. Dept. Agr., Washington, D. C.
Asst., Bur. Soils, 1906-9; asst. pom., Bur. Plant Ind., 1909-14; pom., 1914-9; present position, 1919-. Conducted invest. on shipment and handling of fruits exported from Porto Rico, 1913. (Handling, transportation and storage invests. of fruits and vegetables).—*b.* Pittsburgh, Pa., Jan. 4, 1879; *s.* Wm. I. and Sarah (Lansing) M.; reared in city and on farm; *m.* Caroline W. Judd, July 24, 1912; *c.* Douglass Lansing, Wm. I. B.S.A., Cornell Univ., 1906. Alpha Zeta.

Mann, Verner John, co. agrl. agt., Charlestown, Ind.
Farmer, 1915-7. Sergeant, U. S. Army, 1917-9.—*b.* Austin, Ind., Jan. 14, 1892; *s.* Chas. E. and Cora N. (Montgomery) M.; reared on farm; *m.* Myrtle Marie Bove, Apr. 10, 1920. B.S.A., Purdue Univ., 1915.

Manning, Albert, farmer, Otisville, N. Y.
Sec. Dairymens League; overseer N. Y. State Grange; sec. Orange Co. Agrl. Soc. Mem. Bd. Supervs., Orange Co., N. Y., 6 yrs. Princ. graded rural sch., 3 yrs.—*b.* Otisville, N. Y., Feb. 2, 1864; *s.* Ephraim and Caroline A. (Rundle) M.; reared on farm; *m.* Harriet E. Green, Sept. 20, 1888; *c.* Frank Leroy.

Manns, Thomas Franklin, plant path. and soil bact., Del. Coll., Newark, Del.
Asst. bot., N. D. Agr. Coll., 1903-4; princ. high-schs., Philippine Isls., 1904-7; asst. bot., Ohio Exp. Sta., 1907-11; soil bact., 1911-2; present position, 1912-. Traveled through Orient and Europe.—*b.* Logan, Ont., Nov. 7, 1876 (naturalized 1883); *s.* Henry and Fannie (Symmons) M.; reared on farm; *m.* Alys Ethel Reid, June 21, 1904; *c.* Marshall, Richard, Thos. Jr., Alson. B.S.,

N. D. Agr. Coll., 1901; M.S., 1903; Ph.D., Univ. Penn., 1913. Sigma Xi; Phi Kappa Phi.

Manwaring, Edward B., fruit-grower, Ann Arbor, Mich.

Practiced law in Wis., 30 yrs. Pres. Washtenaw Hort. Soc., 3 yrs.—*b.* Windsor, N. Y., Mar. 26, 1851; *s.* Edward S. and Sarah J. (Bundy) M.; reared on farm; *m.* Syndonia Barwise, May 3, 1877; *c.* Kate M., Edward B., Geo., Gladys, Joseph, Howard S., Fannie M., Roger, Barwise. Grad. law, Univ. Wis., 1875.

Mapes, Oscar W., farmer, Middletown, N. Y.

Dairy and poultry farmer, Orange Co., N. Y., 49 yrs. Father of Dairymens League movement.—*b.* Orange Co., N. Y., Oct. 2, 1848; *s.* Stephen S. and Jeannette (Mapes) M.; reared on farm; *m.* Mary Adelaide Mapes, 1870; *c.* Winfield H., Jennie, Jesse E., Stephen H.

Marbut, Curtis Fletcher, sci. in chg. soil survey, Bur. Soils, U. S. Dept. Agr., Washington, D. C.

Instr. geol., Univ. Mo., 1895-7; asst. prof., 1897-9; prof., 1899-1910; in chg. Mo. State Soil Survey, 1905-10; present position, 1910–. Traveled in Europe, 1899-1900; Cent. Amer., 1919.—*b.* Lawrence Co., Mo., July 19, 1863; *s.* N. T. and M. J. (Browning) M.; reared on farm; *m.* Florence L. Martin, Dec. 17, 1891; *c.* Louise, Thos. Fiske, Wm. Martin, Helen, Frederick Browning. B.S., Univ. Mo., 1889; A.M., Harvard Univ., 1894; LL.D., Univ. Mo., 1916. Sigma Xi; Phi Beta Kappa; Sigma Alpha Epsilon.

Maris, Paul Vestal, state co. agt. leader, Ore. Agr. Coll., Corvallis, Ore.

Field agt., Live-Stock Journal, 1907-8; deputy Ore. dairy and food comnr., 1908-10; dairy ext. agt. for U. S. Dairy Div., in Colo., 1910; agt. Saline Co., Mo., 1914-6; present position, 1916–.—*b.* Newberg, Ore., Sept. 5, 1886; *s.* N. C. and Lou Etta (Swaim) M.; reared on farm; *m.* Mary Elizabeth Davis, June 5, 1915; *c.* Lucile Elizabeth. B.S., Pacific Coll., Ore., 1907; B.S., Univ. Mo., 1914. Alpha Zeta.

Markham, Winfield Lyman, chg. Clement estate and certified milk farm, E. Aurora, N. Y.

Teach. public schs., 4 yrs.; instr. dairying, Cornell Univ. short-course, 1908; co. agrl. agt., 6 yrs. (Dairying).—*b.* Ellington, N. Y., Apr. 3, 1880; *s.* Stephen A. and Alice R. (Pratt) M.; reared on farm; *m.* Lena Krum, Oct. 3, 1900; *c.* Glen, Jessie. Studied Cornell Univ.

Marks, Thomas Meriwether, co. agrl. agt., Gatesville, Tex.

Supt. city schs., 2 yrs.; ed. farm papers, 15 yrs.; general and stock farmer, 10 yrs.—*b.* Ark., Nov. 28, 1865; *s.* F. M. and Rebecca (Dansby) M.; reared on farm; *m.* Lutie Terrill, May 12, 1904; *c.* Thos. Harvie. A.B., Weatherford Coll.

Markwell, Earl David, instr. agr., high-sch., Collinsville, Okla.

Second Lieut., U. S. Army, 1919.—*b.* Okla. Co., Okla., July 11, 1898; *s.* Josuah Wesley and Grace Lottie (Ewing) M.; reared on farm. B.S., Okla. A. & M. Coll., 1919. Alpha Zeta.

Marlatt, Abby Lillian, prof. and dir. home econ., Univ. Wis., Madison, Wis.

Prof., Utah Agr. Coll., 1890-4; instr., tech. high-sch., Providence, R. I., 1894–1909; present position, 1909–. Traveled in Europe, Asia, Africa. *Co-auth.:* Domestic Science in Elementary Schools.—*b.* Manhattan, Kans.; *d.* Washington and Julia Ann (Bailey) M.; reared on farm. B.S., Kans. State Agr. Coll., 1888; M.S., 1890; grad. student, Brown Univ., Clark Univ. Omicron Nu.

Marlatt, Charles Lester, ent., chm. Fed. Hort. Bd. and asst. chief Bur. Ent., U. S. Dept. Agr., Washington, D. C.

Asst. prof., Kans. State Agr. Coll., 2 yrs.; asst. ent., Bur. Ent., 1889-94; 1st asst. and asst. chief, 1894–. Chm. Fed. Hort. Bd., 1912–. Sent by Dept. Agr. to Japan, China, Java, on ent. trip. Fellow A. A. A. S. Pres. Ent. Soc. Washington, 1897-8; pres. Assoc. Econ. Ent., 1899.—*b.* Atchison, Kans., Sept. 26, 1863; *s.* Washington and J. A. (Bailey) M.; reared on farm; *m.* Florence L. Brown, Dec. 1, 1896; 2d, Helen Stuart Mackay-Smith, July 5.

1906; *c.* Florence, Virginia, Chas. L. Jr., Helen, Dorothy, Constance. B.S., Kans. State Agr. Coll., 1885: M.S., 1887.

Maroney, George Eugene, co. agrl. agt., Shoshone, Ida.
Princ. high-sch., Alma, Kans., 1912-3; instr. anat., Univ. Utah, 1915-6. *Ed.*, Lincoln Co. Farm Bur. News.—*b.* Attica, Kans., Aug. 12, 1889; *s.* Geo. W. and Rebecca Jane (Dyer) M.; reared on farm; *m.* Faith M. Curl, Mar. 22, 1916; *c.* Geo. E. Jr. B.S., Kans. State Agr. Coll., 1912; A.B., Kans. Univ., 1914; M.A., 1915. Nu Sigma Nu.

Marquis, John Clyde, assoc. ed. Country Gentleman, Washington editorial rep., 1028 Munsey Bldg., Washington, D. C.
Special agt. in plant ind., U. S. Dept. Agr., June-Oct., 1904; assoc. ed., American Agriculturist, 1904-8; agrl. ed. and instr. agrl. journalism, Univ. Wis., 1908-11; ed. Country Gentleman, 1911-2; assoc. agrl. ed., 1912–. Mem. Amer. Comn. on Rural Credits to Europe, 1913. (Agrl. econ. and rural sociol.).—*b.* Madison, Ind., July 9, 1881; *s.* John Hillis and Mary Thomas (Voiles) M.; *m.* Mary Emma Copeland, June 15, 1904; *c.* John Firth, Roger Philip. B.S., Purdue Univ., 1904; M.S., 1909. Alpha Zeta.

Marshall, Duncan, Minister of Agr., Dept. Agr., Olds, Alta.
On staff Edmonton Daily Bulletin; elected to Legislature, 1909; minister of agr., 1909–. Established system of special secondary schs. in agr. in Alta. Farmer and breeder Shorthorn cattle. —*b.* Elderslie Township, Ont., Sept. 24, 1872; reared on farm.

Marshall, Frederick Rupert, in chg. sheep husb. invests. and ext., Bur. An. Ind., U. S. Dept. Agr., Washington, D. C.
Asst. an. husb., Ia. State Coll., 1901–3; assoc. prof., Tex. A. & M. Coll., 1903-7; prof., Ohio State Univ., 1907-12; prof., Univ. Calif., 1912-3; present position, 1913–. Sent by U. S. Dept. Agr. to New Zealand and Australia, 1914. *Auth.:* Breeding Farm Animals, 1911. —*b.* Westbrook, Ont., June 26, 1877 (naturalized 1907); *s.* Francis and Charlotte (Day) M.; reared on farm; *m.* Jean Craig, Jan. 2, 1914. B.S.A., Ont. Agr. Coll., 1899; B.S.A., Ia. State Coll., 1900.

Marshall, George O., co. agrl. agt., Americus, Ga.
Princ. Craven Co. Farm Life Sch., 1913-5. Traveled in Europe.—*b.* Acme, N. C.; *s.* Thos. W. and Hannah A. M.; reared on farm. B.A., Wake Forest Coll., 1908; law license, N. C. Supreme Court, 1914.

Marshall, Roy Edgar, manag. American Fruit Grower Protective League, 416 State-Lake Bldg., Chicago, Ill.
Instr. hort., Univ. Neb., Feb.-Aug. 1913; fellow pom., Ore. Agr. Coll., 1913-5; instr. pom., 1915-6; asst. hort., ext. div., Va. Poly. Inst., 1916-7; hort., 1917-20.—*b.* Arlington, Neb., Feb. 28, 1890; *s.* Robt. Carson and Mollie (Sharp) M.; reared on farm; *m.* Irene Ursula Telford, June 15, 1917; *c.* Kenneth Telford. B.Sc., Univ. Neb., 1913; M.S., Ore. Agr. Coll., 1915. Alpha Zeta.

Marsland, Walter Stanley, co. agrl. agt., 211 Thayer Bldg., Norwich, Conn.
Fruit and poultry farmer, Otsego, N. Y., 1915-8. Asst. credit manag., Carnegie Steel Co., Newark, N. J., 2½ yrs.; production overseer, Winchester Repeating Arms Co., New Haven, Conn. *Ed.*, New London Co. Farm Bur. News. —*b.* Bridgewater, N. Y., Aug. 27, 1887; *s.* John and Mary J. (Rhodes) M.; reared in village; *m.* Helen Ames Boyd, June 1, 1912; *c.* Walter S. Jr., Robt. Gordon, Helen Stewart. A.B. Cornell Univ., 1908; B.S., 1915.

Martin, Charles W., co. agrl. agt., Spencer, Ia.
b. Carroll, Ia., Feb. 4, 1885; *s.* D. G. and Anna (Barkerville) M.; reared on farm; *m.* Maude Madison Liddle, Jan. 5, 1910. B.S.A., Ia. State Coll., 1909.

Martin, Earl Harrison, co. agrl. agt., Bagley, Minn.
Instr. agr., high-sch., Blue Earth, Minn., 1912-4; Nashwauk, 1914-8; present position, 1918–.—*b.* Belle Plaine, Kans., Nov. 2, 1889; *s.* Walter Q. and Lillian (Harrison) M.; reared on farm; *m.* Myrtle Irene Schaetzel, Aug. 14, 1912; *c.* Walter Woodrow. B.S., Kans. State Agr. Coll., 1912. Alpha Zeta.

Martin, George, ed. Farm and Fireside, 381 Fourth Ave., New York, N. Y.
City ed. Omaha News, Neb., 1914; staff ed., United Press Assoc., 1915-7;

Off. Information, U. S. Food Adminis., 1917; assoc. ed. Every Week Magazine, 1918; present position, 1919–.—*b.* Falls City, Neb., Aug. 26, 1889; *s.* Francis and Helen (Pepper) M.; reared in country; *m.* Ruth McMillan, June 17, 1916.

Martin, Harley A., sec. Red Polled Cattle Club, Richland Center, Wis.

Breeder live-stock and farmer, 1898–. *Ed.*, Red Polled Herd-Book, 1905–.—*b.* Cottonwood Falls, Kans., Jan. 3, 1880; *s.* Jas. W. and Dora (Ragan) M.; reared on farm; *m.* Georgia Stoddard, Oct. 9, 1903; *c.* Wayne, Eva, Dora, Jas., Freda. Student short-course, Univ. Wis.

Martin, Harry Mathias, asst. prof. an. path. and hygiene and asst. vet. Exp. Sta., Univ. Neb., Lincoln, Neb.

Instr. vet. sci., Univ. Wyo., 1917-8; present position, 1918–. 2d Lieut. Vet. Corps, U. S. Army, World War.—*b.* York Co., Pa., Mar. 26, 1892; *s.* Chas. T. and Agnes J. (Reigart) M.; reared in town; *m.* Mabel S. Busler, June 29, 1918. V.M.D., Univ. Penn.

Martin, John Holmes, asst. agron. in western wheat invests., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Sci. asst., cereal invests., U. S. Dept. Agr., 1914-8; supt. Harney Branch Exp. Sta., Burns, Ore., 1918-9.—*b.* Petersburg, N. D., June 10, 1893; *s.* Jas. Prater and Sarah Elizabeth (Wilson) M.; reared on farm and in town. B.S., Ore. Agr. Coll., 1914.

Martin, Joseph Gaillard, invest. in cotton marketing, Bur. Markets, U. S. Dept. Agr., Washington, D. C.

b. Vicksburg, Miss., Mar. 24, 1880; *s.* Eugene and Anne F. C. (Blake) M.; reared in city and country; *m.* Helen Virginia Wallis, Aug. 11, 1917. Special student, Univ. Miss. Phi Delta Theta.

Martin, Oscar Baker, dir. club and home dem. work of South, U. S. Dept. Agr., Washington, D. C.

Princ. public graded sch., 1893-6; princ. high-sch., Greenville, S. C., 1896-1902; state supt. educ. of S. C., 1903-8; present position, 1909–.—*b.* Central, S. C., Nov. 8, 1870; *s.* Thos. C. and Hattie M. (Baker) M.; reared on farm; *m.* Dora Cook, Dec. 23, 1897. A.B., Furman Univ., 1892. Kappa Alpha.

Martin, Vernor Allen, co. voc. superv. agr., 324 Court House, Pittsburgh, Pa.

Private Infantry, U. S. Army, 1918. —*b.* Newfoundland, Pa., Apr. 30, 1891; *s.* Oscar R. and Marie M. (Erhardt) M.; reared on farm; *m.* Lucretia S. Lewis, Dec. 26, 1918. B.S., Penn. State Coll., 1917.

Martin, William A., dairy farmer, Kenton, O.

Pres. O. Live-Stock Assoc., 1916-7. Contributing ed., Ohio Farmer.—*b.* Kenton, O., Aug. 19, 1883; *s.* Newton S. and Anna (Reed) M.; reared on farm; *m.* Besse Belle Shilling, June 22, 1912; *c.* Allen Wm., Jane, Elizabeth, Donald Newton. B.S.A., Ohio State Univ., 1905. Alpha Gamma Rho.

Martineau, Vere Loraine, co. agrl. agt., City and County Bldg., Salt Lake City, Utah.

Teach. agr., high-sch., Lehi, Utah, 1912-3; co. agrl. agt., Raton, N. Mex., 1914-9; agrl. agt. Salt Lake Co., Utah, 1919–.—*b.* Salt Lake City, Utah, Apr. 24, 1888; *s.* Chas. F. and Eva (Rice) M.; reared on farm; *m.* Vee Groo, June 27, 1917; *c.* Mary. B.S., Utah Agr. Coll., 1912. Gamma Sigma Delta; Pi Zeta Pi.

Marvin, Charles Frederick, chief U. S. Weather Bur., Washington, D. C.

Appointed on civilian corps signal serv. as jr. prof., 1884 and as prof. meteorology, U. S. Weather Bur., 1891; chief, 1913–. Inventor of instruments for measuring and recording rainfall, snowfall, sunshine, solar radiation, earthquakes, etc.—*b.* Putnam, O., Oct. 7, 1858; *s.* Geo. F. and Sarah A. (Speck) M.; *m.* Nellie Limeburner, June 27, 1894; 2d, Mabel Bartholow, Nov. 8, 1911. Grad. Ohio State Univ., 1883.

Marvin, Oscar F., farmer, Holton, Mich.

Pres. Holton Produce Assoc., 12 yrs.; pres. Muskegon Co. Hort. Soc.,; superv. Holton township, 10 yrs. (Fruit-growing and farm seeds).—*b.* Shelby, O., July 18, 1852; *s.* Edward K. and Lucy A. (Cooper) M.; reared on farm; *m.* Mary M. Shafer, Mar. 5, 1873; *c.* John E., Chas. F., Paul O.

Mask, Homer Hosea Ballou, asst. state agt., Dept. Agr., Raleigh, N. C.

Formerly co. agrl. agt., Newton, N. C.—*b.* Eclectic, Ala., Aug. 23, 1887; *s.* John Dudley and Martha L. (Mason) M.; reared on farm; *m.* Gillie L. Trimble, Aug. 1913; *c.* Francis Earl. B.S. in Agr., Ala. Poly. Inst., 1915. Phi Kappa Phi.

Mason, Albert Freeman, ext. hort., Rutgers Coll., New Brunswick, N. J.

Formerly ext. hort., Penn. State Coll. 2d Lieut., Heavy Artillery, U. S. Army.—*b.* Newark, O., Oct. 24, 1891; *s.* Morton F. and Mary (Wallace) M.; reared in town and on farm. B.S., Ore. Agr. Coll., 1914; M.S., Penn. State Coll., 1915. Sigma Alpha Epsilon; Gamma Sigma Delta.

Mason, Charles Wilkins, princ. and teach. agr., agrl. high-sch., Charlotte C. H., Va.

Teach. agr. and sci., high-sch., Hillsdale, Mich., 1909-10; asst. to ed. National Stockman and Farmer, Pittsburgh, 1910; agrl. agt., Land and Ind. Dept., Southern Ry., Asheville, N. C., 1911-2; sec. and manag., Haywood Fruit Exchange, Waynesville, N. C., 1912-3; farming, Prince Edward Co., 1914-6; teach. State Normal Sch., Farmville, Va., 1916-7; co. agt., Farmville, 1916-8; asst. fed. state dir. U. S. Boys Working Reserve, Richmond, 1918-9; emergency distr. agt., Newport News, 1919; present position, 1919–. Pres. ind. sect., Va. State Teach. Assoc., 1919-20. Chem. Warfare Serv., U. S. Army, 1918.—*b.* Union City, Pa., June 23, 1888; *s.* L. Walter and Carrie (Wilkins) M.; reared on farm and in city; *m.* Irma Louise Windsor, Sept. 6, 1911; *c.* Evelyn Louise, Dorothy B., C. Windsor. B.S., Mich. Agr. Coll., 1909.

Mason, David Townsend, prof. for., Univ. Calif., Berkeley, Calif.

Lect. for., Univ. Mont., 3 mos., 1910-1; lect. for., Yale Univ., 2 mos., 1914; present position, 1915–. For. superv., U. S. For. Serv., 1910-2; asst. distr. for., 1913-5. Sec. and dir. Strathmore Farm Co., Alta. 1909–. Capt. and Major Engineers, U. S. Army, 1917-8. For. valuation engin., organizer and chief Timber Sect., Bur. Internal Revenue, 1919-20. *Auth.*: Lodge-Pole Pine, 1912.—*b.* Newark, N. J., Mar. 11, 1883; *s.* Wm. B. R. and Rachel Manning (Townsend) M.; reared in town; *m.* Evelyn Polleys, Oct. 4, 1911. B.S., Rutgers Coll., 1905; M.F., Yale Univ., 1907; M.S., Rutgers Coll., 1908. Phi Beta Kappa; Chi Psi.

Mason, Preston Walter, sci. asst., Bur. Ent., U. S. Dept. Agr., Washington, D. C.

Asst., Purdue Univ., 1912-3; instr., 1913-7; asst. prof., 1917-8; present position, 1918–. *Auth.*: (with W. A. Price) Laboratory Exercises in Introductory Entomology, 1915.—*b.* Warren, Mich., Apr. 12, 1889; *s.* Jesse F. and Anna L. (Tharrett) M.; reared in village. B.S., Mich. Agr. Coll., 1912; M.S., Purdue Univ., 1917.

Massey, Arthur Ballard, assoc. prof. plant path. and bact., Va. Poly. Inst., Blacksburg, Va.

Instr. bot., Clemson Agr. Coll., 1910-3; asst. prof. bot., Ala. Poly. Inst., 1913-8; present position, 1918–. Fellow A. A. A. S.—*b.* Millers School, Va., Jan. 10, 1889; *s.* Wilber Fiske and Aurilla James (Phoebus) M.; reared in town; *m.* Dorothy Modd Miller, June 12, 1913; *c.* Jas. Walker. B.S., N. C. State Coll., 1909.

Massey, Louis Melville, asst. prof. plant path., Cornell Univ., Ithaca, N. Y.

Asst. plant path., Cornell Univ., 1912-4; instr., 1914-7; asst. prof., 1917-8, 1919–; path., Bur. Plant Ind., U. S. Dept. Agr., 1918-9.—*b.* W. Point, Ia., Aug. 25, 1889; *s.* Milton and Anna May (Rose) M.; reared on farm. A.B., Wabash Coll., 1912; Ph.D., Cornell Univ., 1916. Phi Beta Kappa; Sigma Xi; Gamma Alpha; Acacia.

Massey, Wilbur Fisk, agrl. journalist, Salisbury, Md.

Teach. bot. and biol., Miller Sch., Albermarle, Va., 1885-9; prof. hort. and bot., N. C. State Coll., 1889-1905. Served in Civil War. *Auth.*: Crop Growing and Crop Feeding, 1904; Practical Farming, 1906; Garden Book for Southern States, 1918. *Ed.*, Practical Farmer, Philadelphia, 1903-6; assoc. ed. Progressive Farmer, Raleigh, N. C., 1906–; Southern Planter, Richmond, Va., 1906–; Market Growers' Journal,

Louisville, Ky., 1907-8.—*b.* Onancock, Va., Sept. 30, 1839; *s.* Jas. A. and Ann (Parker) M.; *m.* Sarah Phoebus, May 4, 1861; 2d, Aurilia Phoebus, Apr. 4, 1876; *c.* Jas. B., Chas., Albert, Arthur B., Fanny, Nelly, Mabel, Elizabeth, Winifred. Grad. Dickinson Coll., 1859; D.Sc., N. C. State Coll., 1917.

Massie, David Meade, farmer, Chillicothe, O.

Mem. O. State Legislature, 1888-1901. Trustee Ohio State Univ., 1888-1907. Comnr. in Cuba under Spanish Treaty Claims Comn., 1902-9. Mem. Agrl. Adv. Com., 1918.—*b.* Chillicothe, O., Feb. 26, 1859; *s.* Henry and Susan B. (Thompson) M.; reared on farm; *m.* Juliet Matthews, Nov. 6, 1883. A.B., Princeton Univ., 1880; LL.B., Cincinnati Law Sch., 1882; A.M., Princeton Univ., 1883.

Masters, Ross, teach. agr., high-sch., Bonifay, Fla.

b. Conotton, O., Aug. 23, 1868; *s.* Isaac and Anne (Overholt) M.; reared in town and on farm; *m.* Lucy McGuire, Aug. 10, 1897; *c.* Robt., Margaret. Ph.B., Scio Coll., 1892; Ph.M., 1893.

Mathers, James Renwick, co. agrl. agt., Bloomsburg, Pa.

Princ. high-sch., Pa., 2 yrs.—*b.* Wawa, Pa., Feb. 29, 1888; *s.* Jas. and Annie (Dinsmore) M.; reared on farm; *m.* Katharine Susan Rahn, June 24, 1916; *c.* Jas. Dinsmore. B.S., Penn. State Coll., 1915. Alpha Zeta.

Matheson, Robert, asst. prof. ent. and asst. ent. Exp. Sta., Cornell Univ., Ithaca, N. Y.

State ent., S. D., 1907-9; asst. ent., Cornell Univ., 1909-11; instr., 1911-2; prof. zool. and ent., N. S. Agr. Coll., Truro, 1912-3; present position, 1914–. Fellow A. A. A. S. (Insect parasitisms, Chalcididae).—*b.* Nova Scotia, Dec. 20, 1881; *s.* Walter A. and Mary (Anderson) M.; reared on farm; *m.* Margaret K. Macpherson, 1911. B.S.A., Cornell Univ., 1906; M.S.A., 1907; Ph.D., 1911. Sigma Xi; Gamma Alpha.

Mathews, Clarence W., prof. hort., Univ. Ky., Lexington, Ky.

Prof. bot. and hort., Univ. Ky., 1892-1910; prof. hort., 1910–; on leave for U. S. Sch. (War) Garden Serv., Oct. 1918-June 1919. (Pom.; grapes).—*b.* Lawrence, Mass., Feb. 10, 1861; *s.* Ezekiel W. and Eunice C. (Small) M.; reared in city and on farm; *m.* Henrietta Safford, Dec. 29, 1891; *c.* Ruth Elizabeth, Geo. F., Paul W. B.S.A., Cornell Univ., 1891. Sigma Xi.

Mathews, Irvin James, co. agrl. agt., Winamac, Ind.

Head dept. agr., high-sch., Rockford, Ill., 1915-7; agt. Pulaski Co., Ind., 1917–. Sec. Winnebago Co., Holstein-Friesian Breeders Assoc., 1916-7. *Ed.*, farm manag. dept., Farm Life, Spencer, Ind. (Soybeans).—*b.* Canby, Mich., Feb. 11, 1891; *s.* John Chas. and Eleanor (Pike) M.; reared on farm; *m.* Gladys Soule, Aug. 31, 1912; *c.* Lawrence Jas. B.S., Mich. Agr. Coll., 1915.

Matthew, Ernest Bertram, prof. agrl. educ., Univ. Ark., Fayetteville, Ark.

Teach. math., Ft. Hays State Normal Sch., Kans., 1903-10; state high-sch. visitor for normal schs. of Kans., 1911-2; prof. math., 1913-5; prof. agrl. educ., 1916-8; present position, 1918.—*b.* Virginia, Ill., Mar. 13, 1875; *s.* Chas. C. and Harriet L. (Ivey) M.; reared on farm; *m.* Alice Isabel Compton, 1904; *c.* Harriet Elizabeth. A.B., Emporia State Teach. Coll., 1913; M.S., Univ. Wis., 1916.

Matthews, Charles Desmond, acting hort., N. C. Exp. Sta. and N. C. Dept. Agr., Raleigh, N. C.

b. Moberly, Mo., Feb. 29, 1892; *s.* C. D. and Orril B. (Mitchell) M.; reared in town. B.S., Univ. Mo., 1914. Sigma Xi; Delta Theta Sigma.

Matthews, Grover Cleveland, asst. prof. bee culture, Univ. Minn., University Farm, St. Paul, Minn.

Practical apiarist, 1903-18; supt. schs., Camp Point, Ill., 1918-9; present position, 1919–.—*b.* Colchester, Ill., Nov. 30, 1883; *s.* Samuel Thos. and Bernettie (Collings) M.; reared on farm; *m.* Florence Innes, Oct. 17, 1914; *c.* Romine Elwood.

Matthews, Mary Lockwood, prof. and chief div. home econ., Purdue Univ., LaFayette, Ind.

Instr. home econ., Univ. Minn., 1908-9; lect. farmers insts., Purdue Univ., 1909-11; present position, 1911-. Dir. home econ. for Ind. Food Adminis. Pres. Ind. Home Econ. Assoc.; chm. home econ. dept., Ind. State Fed. of Clubs; mem. Council, Amer. Home Econ. Assoc.; chm. home econ. com., State Council of Defense.—*b.* Oct. 13. 1882; *d.* John E. and Harriet (Beach) M.; reared on farm. B.S. in H.E., Univ. Minn., 1904. Omicron Nu.

Matti, Gregore, prof. poultry husb., Inst. Agricole d'Oka, La Trappe, Que.
b. Vankleek Hill, Ont.; *s.* Noi and Josephine (Chatelain) M.; reared in town. Grad. Inst. Agricole d'Oka.

Mattoon, Wilbur Reed, ext. specialist in for., U. S. For. Serv., Washington, D. C.
Teach. sci., high-sch., Kalamazoo, Mich., 1899-1902; present position, 1904-. Pres. Washington sect., Soc. Amer. Foresters.—*b.* Harwich, Mass., Aug. 14, 1875; *s.* Virgil Wadhams and Mary (Reed) M.; reared in town; *m.* Kate Van Liew, Aug. 28, 1909; *c.* Richard Wilbur, Martha Ellen, Catherine Van Liew, Laura Isabella. B.A., Wesleyan Univ., Conn., 1899; M.F., Yale Univ., 1904. Delta Kappa Epsilon.

Maxwell, Earl George, co. agrl. agt., Omaha, Neb.
Asst., Univ. Mo., 1910-1; in creamery dept., Swift & Co., 1912-4; instr., Univ. Neb., 1914-7; present position, 1917-.—*b.* Knightstown, Ind., Oct. 23, 1884; *s.* Richard M. and Elmira (Fort) M.; reared on farm; *m.* Julia W. Veach, June 28, 1916. B.S.A., Purdue Univ., 1910; A.M., Univ. Neb., 1915. Acacia.

May, David William, chg. Porto Rico Exp. Sta., Mayaguez, Porto Rico.
Asst. agrst. chg. field expts., Mo. Exp. Sta., 1896-9; asst. agr., U. S. Dept. Agr., 1899; an. husb., Ky. Exp. Sta., 1901-4; present position, 1904-. (Trop. agr.).—*b.* Platte Co., Mo., Apr. 22, 1868; *s.* Benj. L. and Mary (Nicol) M.; *m.* Lena Harrison, Dec. 24, 1896. B.Agr., Univ. Mo., 1894; M.Agr., 1896.

May, Earl Tuttle, co. sec. Y. M. C. A., 721 Emily St., Saginaw, Mich.
Teach. rural schs., 3 yrs.; village schs., 2 yrs. Traveled Egypt and Turkey, 1903-4.—*b.* Hancock Co., O., Jan. 17, 1880; *s.* Lewis B. and Emma L. (Tuttle) M.; reared in town and country; *m.* Matie M. Boughton, Nov. 21, 1905; *c.* Ruth, Rollo, Donald, Dorothy, Yona. Student Valparaiso Univ. and Ohio Northern Univ.

Maydole, Hugh Darwin, intern. sec. Y. M. C. A., 347 Madison Ave., New York, N. Y.
b. Russia, N. Y., Feb. 16, 1877; *s.* John W. and Lydia Ann (Jones) M.; reared on farm; *m.* Laura May Guest, Oct. 17, 1906. Student Wesleyan Univ., Middletown, Conn. Psi Upsilon.

Mayes, Jewell, sec. Mo. State Bd. of Agr., Jefferson City, Mo.
Dir. farmers insts. of Mo.; mem. State Poultry Bd. Pub. Richmond Missourian; pres. Amer. Assoc. Farmers Inst. Workers, 1918.—*b.* near Richmond, Mo., Feb. 15, 1873; *s.* Wiley and Sina (Stephenson) M.; reared in country; widower; *c.* Jewell Martin.

Mayhew, Thomas Clay, co. agrl. agt., Salinas, Calif.
Teach. agr., Tulare high-sch., 1913-4; agt. Madera Co., 1914-7; farmer, 1917-8; instr. agrl. ext., Univ. Calif. and agt. Monterey Co., 1918-.—*b.* Vista, Calif., Dec. 19, 1886; *s.* Jas. Thos. and Eliza (Gregory) M.; reared on farm; *m.* Hazel Helen Hyde, Nov. 29, 1913; *c.* Helen Elizabeth. B.S., Univ. Calif., 1912. Alpha Zeta.

Maynard, Leonard A., asst. prof. an. husb., Cornell Univ., Ithaca, N. Y.
Asst. chem., Ia. State Coll., 1911-2; asst. chem., R. I. Exp. Sta., 1912-3; present position, 1915-. 1st Lieut. to Major, Gas Defense Serv., Sanitary Corps, U. S. Army, 1917-9; served with A. E. F., 20 mos.—*b.* Hartford, N. Y., Nov. 8, 1887; *s.* Edward and Fannie (Cotton) M.; reared on farm; *m.* Helen Jackson, June 3, 1919. A.B., Wesleyan Univ., 1911; Ph.D., Cornell Univ., 1915. Phi Beta Kappa; Sigma Xi; Delta Tau Delta; Gamma Alpha.

Maynard, Samuel Taylor, hort., Northboro, Mass.
Prof. bot. and hort., Mass. Agr. Coll., 1879; dir. hort. div., Mass. Exp. Sta.,; bot. and pom., Mass. State Bd. Agr.

Sec. Mass. Fruit Assoc., 15 yrs. *Auth.:* Practical Fruit Grower, 1886; Landscape Gardening, 1899; Successful Fruit Culture, 1902; The Small Country Home, 1907.—*b.* Hardwick, Mass., Dec. 6, 1845; *s.* Wm. and Sarah (Nourse) M.; reared in town; *m.* Mary E. Eddy, Dec. 25, 1873; 2d, Amy Barnes, June 16, 1892; *c.* Alice E., Howard E., Edward B., Ednah B. B.S., Mass Agr. Coll., 1872.

Mayne, Dexter D., princ. Sch. Agr. and prof. agrl. pedagogy, Univ. Minn., University Farm, St. Paul, Minn.

Princ. schs., Fennimore, Wis., 1883-4; Elkhorn, 1884-9; Ft. Atkinson, 1889-93; supt. and princ. schs., Janesville, 1893-1901; supt. schs., Ishpeming, Mich., 1901-2; present position, 1903–. *Auth.:* Modern Business Speller, 1899; Geography of Wisconsin; Office Methods and Business Practice, 1900; (with Goff) First Principles of Agriculture, 1904; Mayne's Sight Speller, 1906; (with C. J. Smith) Modern Business English, 1906; (with Hatch) High School Agriculture, 1913; Business Spelling Book, 1913; (with Brace) Farm Shop Work. *Ed.,* Midland School Journal, Wis.—*b.* Beetown, Wis., May 14, 1863; *s.* Nicholas and Mary (Treloar) M.; reared rural community; *m.* Nellie G. Coman, 1889 (d. 1919); *c.* Jas. C., MacH., Dexter C., Nella. Platteville State Normal Sch., Wis., 1883.

Mayo, Nelson Slater, vet., 4753 Ravenswood Ave., Chicago, Ill.

Asst. vet., Mich. Exp. Sta., 1888-90; prof. vet. sci., Kans. State Agr. Coll., 1890-7; prof. vet. sci., Conn. Agr. Coll., 1897-1901; prof. vet. sci., Kans. State Agr. Coll., 1901-4; vice-dir. Cuban Exp. Sta. and chief dept. an. husb., 1904-9; prof. an. husb. and vet. sci., Va. Poly. Inst., 1909-13. Sec. Amer. Vet. Med. Assoc., 1913-5; del. to 4th Nat. Vet. Congress, London, 1914. *Auth.:* Diseases of Animals, 1903. *Ed.,* Helpful Hints for the Veterinarian.—*b.* Battle Creek, Mich., Nov. 16, 1866; *s.* Perry and Mary A. (Bryant) M.; reared on farm; *m.* Mary L. Carpenter, July 30, 1890; *c.* Marguerite, Dorothy, Robt., Louise. B.S., Mich. Agr. Coll., 1888; D.V.S., Chicago Vet. Coll., 1889; M.S., Mich. Agr. Coll., 1890. Phi Delta Theta.

Mayo, William Irving Jr., instr. agr., high-sch., Plymouth, Mass.

Superv. gardens, Norwood, Mass., Apr.-Aug., 1917; present position, 1917–; field agt. Plymouth Nat. Bank., 1917–. (Marketing and coop.).—*b.* Watertown, Mass., June 1, 1893; *s.* Wm. Irving and Louise (Parker) M.; reared on farm; *m.* Esther Vance, June 29, 1918. B.Sc., Mass. Agr. Coll., 1917.

McAdams, James Hendrix, co. agrl. agt., Burlington, Kans.

b. Salina, Kans., May 19, 1892; *s.* Chas. F. and Elizabeth J. (Alexander) M.; reared in town; *m.* Dorothy Hale, July 15, 1917; *c.* Donald Hale. B.S.A., Kans. State Agr. Coll., 1916. Beta Theta Pi; Gamma Sigma Delta.

McAdory, Isaac Sadler, prof. anat., Ala. Poly. Inst., Auburn, Ala.

Asst. physiol. and bact., Ala. Poly. Inst., 1904-6; dem. in anat., McKillips Vet. Coll., 1906-7; present position, 1907–.—*b.* Pleasant Hill, Ala., Aug. 13, 1882; *s.* I. W. and Alice (Sadler) M.; reared on farm and in town; *m.* Cora Hardy. B.S., Ala. Poly. Inst.; D.V.M., McKillips Vet. Coll., Chicago.

McArthur, James Marshall, prof. agron., John Tarleton Agr. Coll., Stephenville, Tex.

Instr. agr., State Normal Sch., Minot, N. D., 1915-7; ext. agron., N. Mex. A. & M. Coll., 1917; prof. agrl. educ., 1918; present position, 1918–. Distr. supt. teaching serv., Philippines, 1908-12.—*b.* Walton, Kans., June 13, 1887; *s.* Cecil and Elisabeth McMillan (Marshall) M.; reared on farm; *m.* Ruth Marie Wilson, June 13, 1916; *c.* Ruth Elisabeth, Jas. Wilson. B.S., Kans. State Agr. Coll., 1915. Pi Kappa Delta.

McArthur, Richard, teach. agr., high-sch., Pahokee, Fla.

Served in Field Artillery, U. S. Army, World War.—*b.* Gholson, Miss., May 18, 1894; *s.* J. W. and Hattie M.; reared on farm. B.S., Miss. A.& M. Coll., 1917.

McBride, Charles Grover, assoc. prof. agrl. ext., Penn. State Coll., State College, Pa.

Argl. agt., Mercer Co., Pa., 1912-7; present position, 1917–. (Boys' and

girls' clubs).—*b.* Buckhorn, Pa., May 13, 1886; *s.* Hugh D. and Alvaretta (Stecker) M.; reared on farm; *m.* Lois De Witt, June 22, 1912. B.S., Penn. State Coll., 1911. Alpha Zeta.

McBride, James Nathan, state market dir., Mich. Agr. Coll., E. Lansing, Mich.

Prof. econ. and hist., Mich. Agr. Coll., 1904; manag. LaSal Copper Co.'s Smelter, 1897-1907; present position, 1916–. Mem. Mich. Legislature; mem. Mich. Milk Comn. Pres. Mich Assoc. Farmers Clubs; pres. Mich. Dairy Assoc. *Ed.*, Owosso Times.—*b.* Mercer Co., Pa., Dec. 12, 1864; *s.* Jas. S. and Mary (Offutt) M.; reared in country; *m.* Lois E. Dunbar, Nov. 3, 1893; *c.* Lois, Dorothea. Jas. D. B.A., Univ. Mich., 1888.

McBryde, James Bolton, prof. and head dept. chem., Va. Poly. Inst., Blacksburg, Va.

Asst. chem., S. C. Exp. Sta., 1888-91; asst. chem., Tenn. Exp. Sta., 1891-4; chem., 1894-1901; instr. agrl. chem., Univ. Tenn., 1900-1; asst. prof. chem., Va. Poly. Inst., 1905-7; prof., 1907–; head dept., 1916–.—*b.* Buckingham Co., Va., Sept. 2, 1866; *s.* John McLaren and Cora (Bolton) M.; reared on farm; *m.* Mary Read Comfort, Aug. 8, 1905; *c.* Mary Comfort, Jas. B. Jr. A.B., S. C. Coll., 1886; C.E., Univ. S. C., 1888. Kappa Alpha; Phi Kappa Phi.

McCall, Arthur G., chg. soil invests., Md. Exp. Sta., College Park, Md.

Sci., Bur. Soils, U. S. Dept. Agr., 1901-4; asst. prof. agron., Ohio State Univ. 1904-5; assoc. prof., 1905-6; prof., 1906-16; present position, 1916–. Vice-pres. Amer. Soc. Agron. Head dept. agron., A. E. F. Univ., Beaune, France, Feb.-July, 1919. *Auth.:* The Physical Properties of Soils, 1905; Broom Corn Culture, 1912; Field and Laboratory Study of Soils, 1915; Field and Laboratory Study of Crops, 1916. —*b.* Buena Vista, O., Nov. 11, 1874; *s.* M. D. and Elizabeth (Gillett) M; reared on farm; *m.* Hattie M. Flower, 1896; *c.* Herbert Flower, Elizabeth, Dorothy Helen, Harriett. B.Sc., Ohio State Univ., 1900; Ph.D., Johns Hopkins Univ., 1916. Sigma Xi; Alpha Zeta.

McCall, Thomas Montgomery, asst. prof. hort., Northwest Sch. Agr. and Exp. Sta., Crookston, Minn.

Asst. ent., Ia. Exp. Sta., 1910; instr. hort., Ia. State Coll., 1910-1; present position, 1911–. Sec. Red River Valley Hort. Soc.; sec. Northwestern Minn. Agrl. Instrs. Assoc.; sec. Red River Valley Potato Growers Assoc.—*b.* Story Co., Ia., Dec. 25, 1887; *s.* John N. and Olive (Quick) M.; reared on farm; *m.* Blanche Irene Fleetwood, June 12, 1912; *c.* Darwin Thos. B.S., Ia. State Coll., 1910. Alpha Zeta; Delta Sigma Rho.

McCall, William Thomas, state club leader, Univ. Ida., State House, Boise, Ida.

Pres. Sunflower Manufacturing Co., Manhattan, Kans., 1909-13; co. agrl. agt., Canyon Co., Ida., 1915-6; present position, 1917–.—*b.* Narka, Kans., May 26, 1882; *s.* J. E. and Louella E. (Sellars) M.; reared on farm; *m.* Edith Grace Terhune, June 20, 1912; *c.* Marjorie Mae, Raymond Thos., Lora Lee. B.S., Kans. State Agr. Coll., 1908.

McCallum, Roy Drummond, co. agrl. agt., Modesto, Calif.

Sergeant Vet. Corps, U. S. Army, 1917-8. (Agron.).—*b.* St. Paul, Minn., Feb. 12, 1894; *s.* Peter and Sophia (Beggs) M.; reared on farm and in town. B.S., Univ. Calif., 1917. Alpha Zeta.

McCammon, Elizabeth Rush, home dem. agt., Williston, N. D.

Superv. sewing, public schs., Springfield, Mo., 1915-7; head home econ. dept., agrl. high-sch., Beach, N. D., 1918-9; home dem. agt., Williams Co., 1919–.—*b.* Springfield, Mo., Sept. 27, 1891; *d.* John Purdue and Lucy (Owen) M.; reared on farm and in town. Student Drury Coll., Univ. Mo., S. W. Teachers Coll., Harvard Univ.

McCampbell, Charles Wilbur, prof. an. husb., Kans. State Agr. Coll., Manhattan, Kans.

Asst. an. husb., Kans. State Agr. Coll., 1910-2; asst. prof., 1912-4; assoc. prof., 1914-8; prof., 1918–. Pres. Nat. Assoc. of State Live-Stock Registry Bds.; sec. Kans. State Live-Stock Registry Bd.; sec. Kans. Improved Live-Stock Assoc.; sec. Kans. Horse Breeders

Assoc.—*b.* Frankfort, Kans., Feb. 1, 1882; *s.* J. A. and Kate (Freeman) M.; reared on farm and in town; *m.* Jessie E. Apitz, 1913. B.S., Kans. State Agr. Coll., 1906; D.V.M., 1910; B.S.A., 1918. Alpha Zeta; Alpha Psi; Phi Kappa Phi; Beta Theta Pi.

McCandlish, Andrew Corrie, assoc. prof. and chief dairy husb., Ia. State Coll., Ames, Ia.

Asst. dairy husb., Ia. State Coll., 1915-8; asst. chief, 1918-9; assoc. prof. and chief, 1919–.—*b.* Wigtownshire, Scotland, Sept. 22, 1890; *s.* Andrew and Sarah Agnes (Kennedy) M.; reared on farm; *m.* Florence Heden, Sept. 7, 1918; *c.* Andrew H. B.Sc., Univ. Glasgow, 1912; M.S., Ia. State Coll., 1915.

McCandliss, Donald Alff, co. agrl. agt., Gulfport, Miss.

b. Fairmont, Ind., Dec. 24, 1891; *s.* Harry E. and Laura Harriet (Barr) M.; reared in town. B.S., Miss A.&M. Coll., 1914.

McCann, John Joseph, co. agrl. agt., Thief River Falls, Minn.

Princ. city sch., Chippewa Falls, Wis., 1911-3; instr. agr., Spring Grove, Minn., 1915-8; instr. short-course, Hastings, 1915. Chm. Military Training Camp Assoc. for Houston Co. 2d Lieut., U. S. Army, 1918.—*b.* Rock Elm, Wis., Nov. 21, 1891; *s.* John A. and Kate (Hagan) M.; reared on farm. B.S., Univ. Minn., 1915.

McCarthy, William Edward, co. agrl. agt., W. Branch, Mich.

Formerly teach. agr., Dowagiac, Mich.; agt. Ogemaw Co., 1919–. Co. dir. Boys' Working Reserve.—*b.* Oakland Co., Mich., Apr. 12, 1886; *s.* Edward and Mary (Bigger) M.; reared on farm; *m.* Margaret Charlotte Jennings, Aug. 20, 1912. B.S., Mich. Agr. Coll., 1915.

McCary, James Henry, truck and fruit-grower, 116 N. 21st St., Birmingham, Ala.

Pres. Ala. State Hort. Soc.; mem. Ala. State Bd. Hort.—*b.* Maplesville, Ala., Mar. 11, 1862; *s.* J. F. and Evelina M. (Lilly) M.; reared on farm; *m.* Fannie Nabrns, Oct. 30, 1888; *c.* Wm. Henry, Helen, Carol. Student Ala. Poly. Inst. Phi Delta Theta.

McCheyne, Gertrude M., chg. home econ. ext. and state leader, Utah Agr. Coll., Logan, Utah.

Chg. home econ. ext., Purdue Univ., 1909-11; present position, 1912–. Dir. home econ., State Food Adminis. 1917; chm. home econ. dept., State Fed. of Clubs, 1912.—*b.* Southport, England, Dec. 9, 1877; *d.* Robt. and Minnie (Bowyer) M.; reared in city and country. B.S., Kans. State Univ., 1897; Kans. State Agr. Coll., 1908.

McChord, Robert Caldwell, acting prof. an. husb., Univ. Mont., Bozeman, Mont.

Instr. an. husb., Ia. State Coll., 1913-4; asst. prof., 1914-5; instr. an. husb., Purdue Univ., 1915-6; present position. 1916–.—*b.* Lebanon, Ky., July 18, 1888; *s.* R. C. and Lizzie (Harrison) M. A.B., Cent. Univ. of Ky., 1908; B.S.A., Ia. State Coll., 1913. Delta Kappa Epsilon; Alpha Zeta; Phi Kappa Phi.

McClean, Harry J., asst. prof. sociol., Univ. S. Calif., Los Angeles, Calif.

Instr. sociol., Univ. S. Calif., 1916-7; asst. prof, 1917–. Mem. Social Serv. Comn., City of Los Angeles, 1918–. (Rural problems).—*b.* Warren, O., Oct. 26, 1891; *s.* Marcus A. and Anna G. (Hoagland) M.; reared on farm: *m.* Hollace J. Shaw Aug. 9, 1917. A.B., Leland Stanford Univ., 1915; Juris Doctor, Univ. S. Calif., 1917. Tau Kappa Alpha; Sigma Iota Chi.

McClelland, Chalmer Kirk, agron., Ga. Exp. Sta., Experiment, Ga.

Asst. prof. agr., N. C. State Coll., 1902-6; sci. asst., Off. Farm Manag., 1906-7; supt. Hays Branch Exp. Sta., Kans., 1907-10; agron., Hawaii Exp. Sta., 1911-4; present position, 1914–. Farm ed., Atlanta Constitution, 1916–. Served in Spanish-Amer. War.—*b.* Andover, O., Sept. 12, 1877; *s.* Robt. Clement and Grace (Young) M.; reared on farm; *m.* Annie Bramlette, Feb. 19, 1908; *c.* Annie Grace, Chalmer K. Jr., Clement Bramlette. B.Sc., Ohio State Univ., 1898; M.S.A., Cornell Univ., 1902. Alpha Zeta.

McClelland, Thomas Brown, hort., Porto Rico Agr. Exp. Sta., Mayaguez, Porto Rico.

Asst. hort., Porto Rico Agr. Exp. Sta., 1908-18; hort., 1918–. (Tropical

hort.).—*b.* Lexington, Ky., Feb. 7, 1886; *s.* Thos. N. and Mary (Marrs) M.; reared in city. A.B., Univ. Ky., 1907. Kappa Sigma.

McClintock, James Earl, ed. ext. serv., Ohio State Univ., Columbus, O.
Sci. asst., Bur. Soils, U. S. Dept. Agr., 1906-7; asst. prof. agron., Univ. Me., 1907-9; specialist agrl. educ., U. S. Bur. Educ., 1909-10; agrst., Intern. Correspondence Sch., Scranton, Pa., 1910-4; present position, 1914-.—*b.* Whigville, O., Sept. 9, 1881; *s.* Jonas R. and Mary A. (Large) M.; reared on farm; *m.* Sarah Margaret Weinstein, Sept. 26, 1906. B.S.A., Ohio State Univ., 1906. Alpha Zeta.

McCloskey, Erwin Getman, eastern editorial manag., Soil Improvement Com., Nat. Fertilizer Assoc., 30 Stock Exchange, Baltimore, Md.
Farmer, 1909-11; princ. agrl. high-sch., Sparks, Md., 1913-7; present position, 1917-.—*b.* Hamburg, N. Y., Mar. 2, 1887; *s.* Neil and Susan E. (Getman) M.; reared on farm; *m.* Minnie B. Howard, Sept. 5, 1911; *c.* Dorothy E., Catherine F. B.S.A., Cornell Univ., 1909. Alpha Zeta.

McClung, John Morton, dir. agr., agrl. high-sch., Bridgewater, Va.
Instr., Va. Poly. Inst., 1908-9; dir. agr., Elk Creek Agrl. Sch., 1913-4; present position, 1918-.—*b.* near Rockbridge Baths, Va., Sept. 26, 1878; *s.* David Brainerd and Susan Katherine (Withrow) M; reared on farm. B.A., Washington and Lee Univ., 1903; M.S.A., Cornell Univ., 1917.

McClure, Charles Elton, farmer and dairyman, R. F. D., Wooster, O.
Farmer and stock raiser, 1894-1918; co. agrl. agt., Boone Co., Ind., 1918-9. —*b.* near Newton, Ind., May 22, 1871; *s.* Chas. D. and Martha A. (Haas) M.; reared on farm; *m.* Lillie Bittenbender, Dec. 19, 1894; *c.* Agnes Charline, Glena Irene, John Malcolm. B.S., Purdue Univ., 1890. Kappa Sigma.

McClure, Everett, farmer, Aurora, Ind.
Master Ind. State Grange; 1st vice-pres. Ind. Fed. of Farmers. Traveled in S. Amer. and Europe, 2½ yrs.—*b.* Humphrey, Ky., Aug. 22, 1878; *s.* Sherod W. and Lucretia C. (Humphrey) M.; reared in town and on farm; *m.* Mary Eliza Miller, June 24, 1909; *c.* Mary Jeanette. Ph.B., De Pauw Univ., 1900. Sigma Nu.

McClure, Frank Donald, instr. voc. agr., high-sch., Broken Bow, Neb.
Instr. agr., secondary schs., 1911-6; asst. Bur. Markets, U. S. Dept. Agr., 1916-9. Chm. Kans. Teach. Agr., 1914-5. —*b.* Linn Co., Kans., Nov. 1, 1891; *s.* Chas. Wilkin and Sarah Catherine (Gibbs) M.; reared on farm and in town. B.Sc., Kans. State Agr. Coll., 1911.

McClure, Harry B, invest. in hay marketing and standardization of hay grades, Bur. Markets, U. S. Dept. Agr., Washington, D. C.
Farmer, 1902-5; agrst. in chg. hay invests., Off. Farm Manag., U. S. Dept. Agr., 1906-18; present position, 1919-. —*b.* Dallas Center, Ia., Mar. 22, 1879; *s.* Alexander Bryan and Nettie (Overholt) M.; reared on farm; *m.* Ina A. Richmond, Apr. 2, 1907; 2d, Hannah K. Dixon, Oct. 15, 1919; *c.* Miriam Avis. B.S.A., Ia. State Coll., 1902; M.S.A., 1906. Beta Theta Pi.

McClure, John N., co. agrl. agt., Abingdon, Va.
Sergeant, U. S. Army. (An. husb.). —*b.* Jonesville, Va., Feb. 18, 1900; *s.* D. Carr and Mary H. (McNeil) M.; reared on farm. B.S., Va. Poly. Inst., 1919.

McClure, Rensselaer Wright, soil sci., 332 C Ave., Lawton, Okla.
Potash chem., Armour & Co., Chicago, 1915-6; sci. in soil survey, U. S. Bur. Soils, 1916-7. From 1st Lieut. to Major Field Artillery, U. S. Army, 1917-9.—*b.* St. Louis, Mo., Sept. 13, 1893; *s.* Chas. Egbert and Florence Betton (Cave) M.; reared in city. B.S.A., Univ. Mo., 1915. Pi Kappa Alpha; Alpha Zeta.

McClymonds, Arthur Erskine, crops specialist, Colo. Agr. Coll., Fort Collins, Colo.
Supt. Exp. Sta. farm, Manhattan, Kans., 1½ yrs.; farm manag. for Amer. Tin, Lead and Smelting Co. Lieut. Field Artillery, U. S. Army. (Field

crops).—*b.* College Springs, Ia., Nov. 15, 1891; *s.* Samuel Erskine and Anna Elizabeth (Glenn) M.; reared on farm and in town. B.S., Kans. State Agr. Coll., 1915. Alpha Zeta; Delta Tau Delta.

McColloch, James Walker, assoc. ent., Kans. Exp. Sta., Manhattan, Kans.

b. Anthony, Kans., Apr. 14, 1889; *s.* Robt. P. and Belle (Walker) M.; reared in town; *m.* Maude E. Wanamaker, Dec. 11, 1911; *c.* Marjorie Mabel. B.S., Kans. State Agr. Coll., 1912. Gamma Sigma Delta.

McConnell, Bright, co. agrl. agt., Court House, Augusta, Ga.

Lieut. Aviation Corps, U. S. Army. (Small grains and live-stock).—*b.* Carnesville, Ga., Dec. 29, 1892; *s.* W. F. and Katie (Adams) M.; reared in town and on farm; *m.* Marjorie Bush, June 25, 1919. B.S.A., Univ. Ga.; M.S.A., 1916. Sigma Chi.

McConnell, Charles Melvin, minister, Lakeville, O.

Minister Methodist Episcopal Church. Pres. Rural Ministers Assoc.; mem. Country Church Com., Fed. Council of Churches of Christ of Amer.—*b.* Indianapolis, Ind., Jan. 16, 1886; *s.* I. H. and N. J. (Chalfant) M.; reared on farm; *m.* Grace Dimmick, Apr. 20, 1911; *c.* Jane, Louise. A.B., Ohio Wesleyan Univ., 1907; S.T.B., Boston Univ. Sch. Theol., 1910. Delta Tau Delta.

McConnell, Olaus Jackson, specialist in cotton marketing, U. S. Dept. Agr., Box 729, Raleigh, N. C.

b. Carnesville, Ga., June 2, 1887; *s.* L. J. and Cora (Nelms) M.; reared in town; *m.* Lillian Fay Moss, June 23, 1909; *c.* Burke.

McCool, Merris Mickey, prof. soils, Mich. Agr. Coll., E. Lansing, Mich.

Asst. plant physiology, Cornell Univ., 1908-9; instr., 1909-12; asst. prof. soils, Ore. Agr. Coll., 1912-4; present position, 1914-.—*b.* Amity, Mo., Aug. 31, 1883; *s.* John and Martha (Merris) M.; reared on farm; *m.* Nellie D. Riggs, Sept. 21, 1911. B.S., Univ. Mo., 1908; M.S., Cornell Univ., 1910; Ph.D., 1912. Sigma Xi; Alpha Zeta; Gamma Alpha.

McCord, John Earl, co. agrl. agt., Brookville, Pa.

Chm. food supply dept., Public Safety Com., Jefferson Co., 1917-8.—*b.* Berwinsdale, Pa., Nov. 9, 1892; *s.* J. N. and Irene (Dinesha) M.; reared on farm; *m.* Helen Miller, June 5, 1917. B.S., Penn. State Coll., 1915. Lambda Chi Alpha.

McCormick, Albert Glenn, co. agrl. agt., Stillwater, Minn.

Dir. agr., high-sch., Windom, Minn., 1912-7; Austin, Minn., 1917-8; agt. Washington Co., 1918-.—*b.* Danville, Ia., Aug. 31, 1883; *s.* J. N. and E. Jane (Rogers) M.; reared on farm; *m.* Leona B. Peshok, June 20, 1916. B.S.A., Ia. State Coll., 1911. Delta Theta Sigma.

McCoy, Walter Eli, co. agrl. agt., Mad River Nat. Bank Bldg., Springfield, O.

Asst. soils, Ohio State Univ., 1912-3; agrl. ext., 1913-.—*b.* Washington C. H., O., Jan. 10, 1887; *s.* Mart L. and Anna M. (Parrett) M.; reared on farm; *m.* Ruth C. Allen, July 12, 1913. B.S.A., Ohio State Univ., 1912. Alpha Zeta.

McCrary, Otis Frederick, distr. agrl. agt., Washington, N. C.

Teach. math. and sci., Cyrene Inst., Ga., 1912-3; teach. agr. and sci., high-sch., Verda, La., 1913-4; high-sch., Hampton, Va., 1914-5; agt. Lenoir Co., N. C., 1915-7; present position, 1917-.—*b.* Asheville, N. C., May 30, 1884; *s.* Silas and Emma (Ball) M.; reared on farm; *m.* Eunice Penny, Dec. 23, 1919. B.S., Clemson Agr. Coll., 1912.

McCrea, Vera Theresa, home dem. agt., Cortland, N. Y.

Teach. dom. sci., N. Y. City, 1913-4; Yonkers, 1914-8; present position, 1918-. Pres. State Fed. Home Bur. Managers.—*b.* DeKalb Junction, N. Y., June 16, 1889; *d.* I. H. and Ella (Brice) M.; reared on farm. Student St. Lawrence Univ., Columbia Univ. Delta Delta Delta.

McCrory, Samuel Henry, chief drainage invests., Bur. Public Roads, U. S. Dept. Agr., Washington, D. C.

b. Iowa City, Ia., May 5, 1879; *s.* Chas. Robt. and Ruth Ann (Stevenson) M.; reared on farm; *m.* Blanche Severe,

June 30, 1909; *c.* Dorothy Emogene, Ruth Roberta. B.S. in C.E., State Univ. Ia., 1904; C.E., 1908.

McCubbin, Walter Alex., deputy dir., Bur. Plant Ind., Dept. Agr., Harrisburg, Pa.

Lect., Ont. Agr. Coll., 1911-2; in chg. field lab. of plant path., St. Catharines, Ont., 1912-9; present position, 1919–. (Plant path.).—*b.* Ont., Jan. 2, 1880; *s.* John M. and Kate (Williams) M.

McCue, Charles Andrew, dean dept. agr. and dir. Exp. Sta., Del. Coll., Newark, Del.

Instr. hort., Mich. Agr. Coll., 1904-7; prof. hort. and hort. Exp. Sta., Del. Coll., 1907-20; present position, 1920–. Chm. program com., Amer. Soc. Hort. Sci., 1916-7, pres., 1918. Hort. ed., Practical Farmer, 1915-7.—*b.* Cass City, Mich., May 29, 1879; *s.* Chas. E. and Catherine (Campbell) M.; reared on farm; *m.* Florence Beebee, 1906 (d. 1907); 2d, Essie Willis, 1912; *c.* John Beebee. B.S., Mich. Agr. Coll., 1901; grad. student Mich. Agr. Coll., 1903-4, Univ. Penn., 1911 and 1913.

McCulloch, Arthur Clifford, poultry supt., Dept. Agr., Fredericton, N. B.

Dem. in poultry husb., Ont. Agr. Coll., 1912-5; instr. poultry husb., Ore. Agr. Coll., 1916-7; present position, 1918–. Sec.-treas. Maritime Poultry Assoc.—*b.* Epsom, Ont., June 25, 1889; *s.* Wm. Edward and Miriam (Costello) M.; reared on farm. B.S.A., Ont. Agr. Coll., 1912.

McCune, Newell Avery, pastor, The People's Church, E. Lansing, Mich.

Instr. agr., Berea Coll., Ky., 1901-3. Traveled in Europe, 1914. (Rural sociol. and community organization).—*b.* Philadelphia, Pa., July 21, 1881; *s.* W. J. and Angeline (Snow) M.; reared in town; *m.* Caroline R. Jennings, June 19, 1907; *c.* John Jennings. B.S., Mich. Agr. Coll., 1901; S.T.B., Boston Univ., 1907; M.A., 1909; student Univ. London, 1914.

McCurdy, James Jacob, farm supt., Bemidji, Minn.

Teach. agr., 1918; co. agrl. agt. Beltrami Co., Minn., 1918-9; supt. co. farm, 1919–. Sec.-treas. Beltrami Co. Farm Bur. (Sheep farming, land clearing).—*b.* Madelia, Minn., July 10, 1886; *s.* J. B. K. and Emma (Driggers) M.; reared on farm; *m.* Mabel Scripture, May 6, 1914; *c.* John Edward, Robt. Grad. Univ. Minn., 1913.

McDaniel, Guy Quisenberry, co. agrl. agt., Court House, St. Joseph, Mo.

Registered pharmacist and manag. drug store, Bolivar, Mo., 1913-6; farm loan dept., Miss. Valley Trust Co., St. Louis, 1917. Sergeant U. S. Army, 1917-8. (Farm manag.).—*b.* Bolivar, Mo., Dec. 8, 1890; *s.* Thos. Q. and Jennie (Senter) M.; reared on farm and in town; *m.* Dorothy Dunnegan, Apr. 17, 1919. B.S.A., Univ. Mo., 1917. Sigma Nu; Alpha Zeta; Gamma Sigma Delta.

McDonald, Clair Woods, ext. assoc. prof. an. husb., Ia. State Coll., Ames, Ia.

Asst. an. husb., Penn. State Coll., 1917-8; instr., 1918-9; present position, 1919–. (Sheep and farm meats).—*b.* Rochester, Pa., Feb. 5, 1893; *s.* Chas. Woods and Bertha (Cheney) M.; reared in town; *m.* Janet Wilson Laird, Aug. 8, 1919. B.S., Penn. State Coll., 1917; M.S., 1919. Alpha Gamma Rho; Phi Kappa Phi.

McDonald, Elmer M., asst. prof. farm crops, Univ. Mo., Columbia, Mo.

Teach. sci., high-sch., Charleston, Ill., 1905-7; instr. agron., Univ. Ill., 1910-2; asst. prof. agron., Mass. Agr. Coll., 1912-5; present position, 1915–. 2d Lieut. Infantry, U. S. Army, 1917-9.—*b.* Terna, Ill.; *s.* John T. and Nancy (Massey) M.; reared on farm. B.S., Univ. Ill., 1910. Sigma Xi; Alpha Zeta; Gamma Alpha.

McDonald, May C., in chg. home econ. ext., N. D. Agr. Coll., Agricultural College, N. D.

Teach. dom. sci., Univ. Minn., 1908-12; home econ. ext., 1913-5; chg. home econ. ext., N. D., 1916–; state leader home dem. agts., 1917–. State chm. Food Production and Conservation.—*b.* Milwaukee, Wis., Nov. 22, 1884; *d.* Frank R. and Ellen (Brady) M.; reared in city. B.S., Univ. Minn., 1907; M.A., Columbia Univ., 1913. Phi Upsilon Omicron.

McDonald, Murl, co. agt. leader, Ia. State Coll., Ames, Ia.

Agrl. ext. dept., Ia. State Coll., 1910-2; co. Y. M. C. A. work, 1912-4; present position, 1914–. Revisor, Bowman Crossley Corn Book.—*b.* Clay Co., Neb., Jan. 1, 1886; *s.* Millard L. and Emma Lenora (Dixon) M.; reared on farm. B.S.A., Ia. State Coll., 1911. Alpha Zeta; Delta Sigma Rho.

McDonel, Karl Hanchett, asst. ext. dir., Mich. Agr. Coll., E. Lansing, Mich.

Farm manag. dem., U. S. Dept. Agr., 1916-7; superv. ext. schs. in Mich., 1917-8; present position, 1918–. (Farm manag., rural econ.).—*b.* Eaton Co., Mich., Apr. 11, 1893; *s.* Frederick R. and Luttie (Hanchett) M.; reared on farm. B.S., Mich. Agr. Coll., 1916. Beta Sigma.

McDougall, Walter Burroughs, dir. Atlantic Co. voc. schs., Pleasantville, N. J.

Dairy manag., June-Oct., 1911; teach. agr., Heathcote Sch., Harrison, N. Y., 1913-4; teach. Atlantic Co. voc. schs., 1914-7; dir., 1917–; specialist, N. J. Exp. Sta., 1913–. Treas. Atlantic City Community Market.—*b.* Brooklyn, N. Y., Aug. 1, 1890; *s.* Chas. and Anna M.; reared in town and country; *m.* Edith Hodgson, Nov. 3, 1917; *c.* Chas. Walter. B.Sc., Rutgers Coll., 1911. Phi Beta Kappa.

McDowell, Andrew Jackson, dairy agt., Frisco R. R., 205 Frisco Bldg., Springfield, Mo.

Supt. city schs., Seymour, Mo., 1885-8, 1892-4; princ. ward sch., Oak Cliff, Tex., 1890-1; practicing attorney, 1894-1902; present position, 1919–. Vice-pres. Mo. State Dairy Assoc.; pres. Ozark Dairy Assoc.; vice-pres. Webster Co. Holstein Breeders Assoc.—*b.* Long Point, Ill., Apr. 28, 1862; *s.* Andrew J. and Dorlisca Jane (Perry) M.; reared on farm; *m.* Edith V. Love, Apr. 5, 1894; *c.* Walter L. Grad. N. Ind. Normal Sch., 1883.

McDowell, John Chambers, dairy husb., Bur. An. Ind., U. S. Dept. Agr., Washington, D. C.

Asst. prof. agr., N. D. Agr. Coll., 1903-4; prof. agron., 1905-7; expert, Off. Farm Manag., U. S. Dept. Agr., 1908-9; agrst., 1910-5; present position, 1916–. *Auth.:* (with J. H. Shepperd) Elements of Agriculture, 1904.—*b.* near Montello, Wis., Dec. 25, 1867; *s.* Geo. and Isabella (Bailie) M.; reared on farm; *m.* Frances L. Jacob, Dec. 23, 1895; *c.* Dorothea, Chas. Jacob, Robt. Benj. B.S.A., Univ. Wis., 1903.

McDowell, Milton S., dir. agrl. ext., Penn. State Coll., State College, Pa.

b. Milroy, Pa., Jan. 13, 1872; *s.* Wm. Eliott and Louisa (McGuire) M.; reared on farm; *m.* Mable Snyder, June 28, 1900; *c.* 4. B.S., Penn. State Coll., 1892; M.S., 1897. Kappa Sigma; Alpha Zeta.

McEachern, Robert S., co. agrl. agt., Corinth, Miss.

Field manag., Compton-Johnson Co., Chicago, 2 yrs.; Southwestern Co., Nashville, Tenn., 5 yrs.—*b.* Vaiden, Miss., Nov. 7, 1894; *s.* John D. and Elizabeth H. (Watkins) M.; reared on farm; *m.* Wilma C. Greer, Sept. 26, 1919. B.Sc., Miss. A. & M. Coll., 1917.

McElhinney, Flora E., home dem. agt., Houghton, Mich.

Teach. kindergarten, Marine City, Mich., 1892-5; Sanilac Center, 1896-9; Traverse City, 1902-3; princ., Port Huron, 1904-10; teach. dom. sci. and art. Salisbury, Md., 1910-3; present position, 1917–.—*b.* Port Huron, Mich., Nov. 22, 1876; *d.* Geo. W. and Mary S. (Annas) M.; reared in city and country. Grad. Mich. Cent. Normal, 1910; grad. student Columbia Univ.

McFadyen, Janie Parker, home dem. agt., Jacksonville, N. C.

Princ. Piney Grove Sch., N. C., 1917-8; Pine Level, 1918-9; present position, 1919–.—*b.* Manchester, N. C., Apr. 1, 1894; *d.* John and Zula M.; reared on farm. B.S. Flora Macdonald Coll., Red Springs, N. C.

McFarland, John Horace, master printer, lect., auth., Mt. Pleasant Press, Harrisburg, Pa.

Pres. Amer. Civic Assoc., 1904–; vice-pres. Nat. Municipal League, 1914–. Mem. Harrisburg Park Comn., 11 yrs.; mem. Pa. Conservation Comn.; pres. Typothetae of Harrisburg, 1919. Lect. on civic betterment, trees, flowers, printing. *Auth.:* Photographing Flowers and

Trees, 1902; Getting Acquainted with the Trees, 1904; My Growing Garden, 1916. *Ed.*, American Rose Annual, 1916–. (Civic betterment, roses).—*b.* McAlisterville, Pa., Sept. 24, 1859; *s.* Geo. F. and Adeline D. (Griesemer) M.; reared in suburbs; *m.* Lydia S. Walters, May 22, 1884; *c.* Helen L., Robt. B.

McFarland, John William, co. agrl. agt., Delphi, Ind.; 1884-Nov. 12, 1918. See Rus 1918.

McFee, Neta Boyd, home dem. agt., Dyersburg, Tenn.

Teach. home econ., Young high-sch., Tenn., 1916-9; present position, 1919–. —*b.* Concord, Tenn., Mar. 1, 1894; *d.* Wm. T. and Laura (Miemer) M.; reared on farm. B.A., Univ. Tenn., 1916.

McGehee, James Stewart, grain merchant and farmer, Laurel Hill, La.

Railroad conductor and agt., 1880-8; farmer, 1888-91; sec. W. L. Green Comn. Co., grain merchants, St. Louis, 1891-1903; pres. Burlington Elevator Co., 1903-6.—*b.* Wilkinson Co., Miss., Mar. 9, 1860; *s.* John Burruss and Catherine Elizabeth (Stewart) M.; reared on farm; *m.* Lise Courtney Johnson, Dec. 5, 1882. Student Univ. Va.

McGinnis, Nestor Massie, assoc. prof. hort., Tex. A. & M. Coll., College Station, Tex.

Dir. rural arts and sci., Coll. Ind. Arts, Denton, Tex., 1910-5; present position, 1915–. Sec. Denton Co. Exp. Assoc., 1913-5.—*b.* Terrell Tex., Oct. 6, 1885; *s.* Chas. Taylor and Nancy (Pratt) M.; reared on farm; *m.* Madeline Longcope, May 30, 1913. B.S., Tex. A. & M. Coll., 1908; grad. student, Cornell Univ., 1908-10. Delta Sigma Phi.

McGinty, Rupert Alonzo, field manag., Colo. Packing Corporation, Canon City, Colo.

Instr. hort., Colo. Agr. Coll., 1913-5; asst. prof., 1915-7; assoc. prof., 1917-20. —*b.* West Point, Ga., May 2, 1886; *s.* John Franklin and Laura (Spikes) M.; reared on farm and in city; *m.* Letitia Cross, June 11, 1914; *c.* Thos. Franklin, Wm. Milner. B.S., Ala. Poly. Inst., 1913; A.M., Wash. Univ., 1919. Sigma Xi; Alpha Zeta.

McGowan, Wayne Gibbons, agt. in dairying, Bur. An. Ind., U. S. Dept. Agr., Starkville, Miss.

From private to 2d Lieut. Infantry, U. S. Army, 1918-9.—*b.* Holly Springs, Miss., Aug. 11, 1898; *s.* W. Irwin and Anna (Roberts) M.; reared in town and on farm. B.S.A., Miss. A. & M. Coll., 1919.

McHargue, James Spencer, research chem., Ky. Exp. Sta., Lexington, Ky.

With U. S. Bur. Standards, July-Nov. 1906; Hygienic Lab., Washington, 1906-7; chm. Ky. Geol. Survey, 1907-12; present position, 1912–. Fellow A. A. A. S.—*b.* Ky., Jan. 29, 1878; *s.* Jas. and Nancy (Norvell) M.; reared on farm; *m.* Minnie Lee Foley, Dec. 24, 1913. B.S., Univ. Ky., 1906; M.S., 1914. Alpha Chi Sigma.

McHatton, Thomas Hubbard, prof. and chief div. hort., Univ. Ga., Athens, Ga.

Hort., Ga. Exp. Sta., Jan.-Nov. 1908; present position, 1908–; state leader hort. ext. Sec. Ga. State Hort. Soc. Fellow A. A. A. S. Capt. Aviation Aircraft Production, Jan.-Dec. 1918. *Part auth.:* Land Teaching, 1910. Hort. ed., Southern Ruralist, 1908–.—*b.* Brooklyn, N. Y., Nov. 12, 1883; *s.* Henry and Eliza (Hubbard) M.; reared in town and on farm; *m.* Marie Lustrat, June, 1911; *c.* Marie Lustrat, Eleanor, Elizabeth. B.S., Spring Hill Coll., Mobile, Ala., 1903; B.S., Mich. Agr. Coll., 1907; Sc.D., Spring Hill Coll., 1907. Alpha Zeta.

McIlvaine, Theodore Clinton, agt. tobacco invests., U. S. Dept. Agr., and asst. agron., W. Va. Exp. Sta., Morgantown, W. Va.

Farmer, 1898-1913.—*b.* Paradise, Pa., Aug. 4, 1875; *s.* Albert P. and Annie M. (Kinzer) M.; reared on farm. B.Sc., Penn. State Coll., 1915; M.S., 1916; grad. student Cornell Univ., 1 yr.

McIndoo, Norman Eugene, insect physiologist, Bur. Ent., U. S. Dept. Agr., Washington, D. C.

Teach. biol., high-sch., Fond du Lac, Wis., 1906-8. Collected fish in Cuba for Ind. Univ. Museum, summer 1905. (Senses of insects, insecticides).—*b.* Lyons, Ind., Apr. 11, 1881; *s.* Jacob and Katherine Sarah (Halstead) M.;

reared on farm; *m.* Emma C. Pabst, Dec. 23, 1911; *c.* Thos. Montgomery, Mary Velisha. A.B., Ind. Univ., 1906; A.M., 1909; Ph.D., Univ. Penn., 1911. Sigma Xi.

McInerney, Thomas Joseph, asst. prof. dairy ind., Cornell Univ., Ithaca, N. Y.
Asst. dairy ind., Cornell Univ., 1910-2; instr., 1912-3; instr. and invest., 1913-6; asst. prof., 1917-. (Dairy chem.).—*b.* Elmira, N. Y., Apr. 13, 1885; *s.* Patrick and Margaret (Looney) M.; reared on farm; *m.* Margaret L. Mahoney, Sept. 24, 1913; *c.* Thos., Margaret, Mary. B.S.A., Cornell Univ., 1910; M. S. A., 1912.

McIntosh, Arza D., agrl. rep., Dept. Agr., Stirling, Ont.
b. Winchester Springs, Ont., Feb. 27, 1875; *s.* Jas. Norman and Louisa (Thornton) M.; reared on farm; *m.* Catherine Maria Barkley, Jan. 1, 1901; *c.* Lera Mabel, John Sheldon Ross, Geo. Roosevelt, Elva Louise, Jas. Norman, Joseph Donald, Nina Jean, Lois Helena. B.S.A., Toronto Univ., 1909.

McKay, Andrew William, vice-pres. Southern States Produce Distributors, Valdosta, Ga.
Expert in fruit storage, U. S. Dept. Agr., 1908-13; pom., 1913-4; invest. fruit transportation, 1916-7; specialist in chg. refrigerator and heater car invests., Bur. Markets, 1918; present position, 1919-. (Transportation and marketing of fruits and vegetables).—*b.* River John, N. S., Nov. 20, 1883 (naturalized 1909); reared on farm; *m.* Margaret Curtis, July 22, 1913; *c.* Curtis Andrew, Jas. Creighton, Robt. Gram. B.S.A., Cornell Univ., 1908.

McKay, Marion Bertice, assoc. plant path., Ore. Exp. Sta., Corvallis, Ore.
Sci. asst. plant path., U. S. Dept. Agr., 1912-5; present position, 1916-.—*b.* Humphreys, Mo., July 14, 1887; *s.* Henry Columbus and Sarah Mariah (Palmer) M.; reared on farm; *m.* Venus Worrell Pool, Nov. 7, 1915; *c.* Muriel Pool. B.S., Okla. A. & M. Coll., 1911; M.S., Univ. Wis., 1915.

McKee, Clyde, assoc. prof. farm crops, Ia. State Coll., Ames, Ia.
Sci. asst., Off. Cereal Invests., U. S. Dept. Agr., Akron, Colo., 1911-3; distr. dem. agt., Kans. State Agr. Coll., 1913; asst. prof. farm crops, Ia. State Coll., 1913-6; assoc. prof., 1917-.—*b.* Mission Creek, Neb., June 8, 1889; *s.* Oliver and Lydia (Holt) M.; reared on farm; *m.* Clara Lois Shofe, Feb. 17, 1911; *c.* Robt. Thayer, Kenneth Chas. B.S., Kans. State Agr. Coll., 1910. Alpha Gamma Rho; Gamma Sigma Delta.

McKee, John Milton, co. agrl. agt., Washington, Pa.
Asst. agron., Penn. State Coll., 1910-1; with soil survey, Pa., 3 summers; farm manag., N. J., 8 mos.; agt. Washington Co., 1912-.—*b.* Curllsville, Pa., Sept. 23, 1885; *s.* H. P. and Annie (Craig) M.; reared on farm; *m.* Beth Lilley, Oct. 24, 1912; *c.* Sara Anne. B.S., Penn. State Coll., 1910. Alpha Zeta.

McKee, Robert Bruce, co. agrl. agt., Kalispell, Mont.
Teach. agr. and manual training, high-sch., N. D. and Mont., 2 yrs.—*b.* Dwight, N. D., June 8, 1894; *s.* Jas. and Janet M.; reared on farm; *m.* Myrtle Flatin, Dec. 12, 1917. B.S.A., N. D. Agr. Coll. Alpha Gamma Rho; Alpha Zeta.

McKee, Roland, asst. agrostologist, Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.
(Vicia, Lathyrus and Medicago as forage crops).—*b.* Marysville, Kans., Dec. 13, 1880; *s.* Robt. Finley and Sarah Elizabeth (Crawford) M.; reared on farm. B.S., Kans. State Agr. Coll., 1900.

McKell, William Thomas, co. agrl. agt., Jonesboro, Ark.
Asst. engin., L. & U. R. R., 1902-6; A. B. & A. R. R., 1906-7; chief engin., C. M. & P., 1907-8; resident engin., B. & N. W. R. R., 1909-10.—*b.* Starkville, Miss., Sept. 27, 1879; *s.* Jas. N. and Issabella W. (Ware) M.; reared on farm; *m.* Annie D. McArn, June 21, 1906; *c.* Wm. M., John D., Thos. E. B.S., Miss. A. & M. Coll., 1900.

McKelvey, Frank Hotchkiss, farmer, Sparta, Ill.
Pres. Randolph Co. Farm Bur., 1917-9; head dept. farm manag., Sangomon Loan and Trust Co., Springfield, Ill.;

special appraiser for Fed. Land Bank of St. Louis, 1917-9. Breeder Aberdeen-Angus cattle.—*b.* Sparta, Ill., June 16, 1882; *s.* Sidney A. and Hattie (Hotchkiss) M.; reared on farm; *m.* Gertrude Ann Lee, Feb. 9, 1910; *c.* Mary Frances, Franklin Hotchkiss. B.S., Univ. Ill., 1907. Phi Delta Theta; Alpha Gamma Rho.

McKelvie, Samuel R., publisher The Nebraska Farmer, Lincoln, Neb.

Mem. Neb. Legislature, 1911; Lieut.-Gov., 1913.—*b.* Fairfield, Neb., Apr. 15, 1881; *s.* Sam and Jennie (Glandon) M.; reared on farm; *m.* Flossie DeArnold, June 19, 1904. Student Univ. Neb. Alpha Tau Omega.

McKerrow, George, farmer and stock-breeder, Pewaukee, Wis.

Pres. Wis. State Bd. Agr., 13 yrs.; supt. Wis. farmers insts. and ed. annual bull., 20 yrs. Pres. Wis. Dairymens Assoc. Made fifteen trips to Great Britain and Channel Isls.—*b.* Waukesha Co., Wis., Apr. 1, 1852; *s.* Gavin and Elizabeth (Howett) M.; reared on farm; *m.* Isabella Rogers, Sept. 26, 1878; *c.* Wm. A., Gavin W. Student Carroll Coll., Waukesha, short term.

McKillican, William Christie, supt. expl. farm, Brandon, Man.

Rep. Seed Branch, Dept. Agr., in Alta. and B. C., 1905-11; present position, 1911–. Dir. Man. Provincial Exhibition; pres. Man. Swine Breeders Assoc. (Farm crops, live-stock).—*b.* Breadalbane, Ont., Aug. 23, 1882; *s.* Wm. E. and Emma May (Christie) M.; reared on farm; *m.* Anna M. Stewart, Sept. 2, 1909; *c.* Mary E. B.S.A., Ont. Agr. Coll., 1905.

McKimmon, Jane Simpson, state home dem. agt., Dept. Agr., Raleigh, N. C.

Present position, 1911–; state dir. home econ. under Nat. Food Adminis. —*b.* Raleigh, N. C.; *d.* Wm. and Ann Cannon (Shanks) Simpson; reared in city; *m.* Chas. McKimmon; *c.* Chas., Anne, Wm., Hugh.

McKnight, William Russell, superv. agr., Porter Township Voc. Sch., Reinerton, Pa.

Farm manag., Little Whim Farm, Pa., 4 yrs.; asst. agrst., Penn. R. R., 10 mos.; present position, 1917–. Candidate for Lieut.-Gov. of Pa., 1918. (Voc. agr., farm manag.).—*b.* Philadelphia, Pa., Feb. 6, 1892; *s.* Oliver and Sussanna (Russell) M.; reared in town and on farm; *m.* Louise G. McCullough, June 3, 1915; *c.* Eleanor L., Robt. Gordon, Edith Sussanna, Marjorie Anne. B.S., Penn. State Coll., 1913. Phi Kappa Phi; Delta Theta Sigma.

McKune, Emery F., invest. in marketing, Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Asst. hort., Colo. Agr. Coll., 1915-6. —*b.* Faribault, Minn., July 11, 1888; *s.* Fred and Clarissa (Goar) M.; reared on farm. B.S., Colo. Agr. Coll., 1915; M.S., Ia. State Coll., 1917.

McLaughlin, Helen Fitch, home dem. agt., Exeter, N. H.

Teach. hist., Junior High-Sch., Mason City, Ia., 1910-1. Traveled in Europe and S. Amer.—*b.* Clinton, Mass., Mar. 13, 1887; *d.* Wm. P. and Sarah (Fairfield) Fitch; reared in town; *m.* Harold M. McLaughlin, Aug. 14, 1911. B.A., Univ. Wis., 1909; B.S., Simmons Coll., 1915. Pi Beta Phi.

McLean, Donald, manag. Roseworth Ranch Co., Buhl, Ida.

Teach. agr. and sci., New Plymouth, Ida., high-sch., 1915-6; supt. schs., Roswell, 1916-7; co. agrl. agt., Twin Falls, 1917-9; present position, 1919–. Range foreman, Ore., Colo., Utah, 6 yrs.; farmer, Ida., 4 yrs.—*b.* Elyria, O., May 11, 1885; *s.* Lester and Mary Dewey (Shaw) M.; reared in city; *m.* Mary M. De Mund, Nov. 13, 1919. Student Princeton Univ., 1903-4; grad. short-course, Univ. Wis., 1909.

McLean, John A., prof. an. husb., Univ. B. C., Vancouver, B. C.

Assoc. prof. an. husb., Ia. State Coll., 1906-8; an. husb., Miss. Exp. Sta., 1908-10; Mass. Agr. Coll., 1911-6; present position, 1916–.—*b.* Ormond, Ont., May 16, 1878; *s.* Thos. and Jessie (McDonald) M.; reared on farm; *m.* Margaret Prendergast, 1907. B.A., McMaster Univ., Toronto, 1902; B.S.A., Ia. State Coll., 1905.

McLendon, James Ward, co. agrl. agt., Florence, S. C.

Teach., Ga. Military Inst., 1910-1; dairy farmer, 1912-7. *Ed.*, Timmons-

ville Enterprise, 1907-10.—*b.* Timmonsville, S. C., Feb. 17, 1885; *s.* David and Mary (Ward) M.; reared in town. B.S., Clemson Agr. Coll., 1907.

McLendon, William Eugene, sci. in soil survey, Bur. Soils, U. S. Dept. Agr., Washington, D. C.

Asst., Clemson Agr. Coll., 1901-2; field work in U. S. Soil Survey, 1902-13; insp. of soil survey work, Northern Div., 1913-.—*b.* Darlington Co., S. C., Dec. 28, 1877; *s.* Thos. J. and Ellen A. M.; reared on farm; *m.* Annie Keene Barret, Oct. 5, 1905; *c.* Annie Laurie. B.S., Clemson Agr. Coll., 1901.

McMahan, Edgar Oliver, co. agrl. agt., Marietta, Ga.

Princ. Bounty Land rural grade sch., 1915-7. 2d Lieut. Infantry, U. S. Army, 1917-8.—*b.* Richland, S. C., June 8, 1892; *s.* Jefferson Davis and Kate Lou (Sligh) M.; reared on farm; *m.* Beth Coe, Dec. 15, 1917; *c.* Betty Lou. B.S., Clemson Agr. Coll., 1915.

McMillan, John Gifford, boys' and girls' club leader, Univ. Neb., Kearney, Neb.

Teach. high-sch., Holdrege, Neb., 1912-4; state agt. in chg. pig club work, Neb., 1914-7; present position, 1919-. Educ. sec., Army Y. M. C. A., 1918.—*b.* Vinton, Ia., Feb. 15, 1885; *s.* Robt. F. and Electa (Johnson) M; reared on farm. B.S., Ia. State Coll., 1912.

McMillan, Samuel A., assoc. prof. agron., Tex. A. & M. Coll., College Station, Tex.

Prof. rural arts, Coll. Ind. Arts, Denton, Tex., 1910-1; instr. agron., Tex. A. & M. Coll., 1911-3; asst. prof., 1913-5; assoc. prof., 1915-.—*b.* Bem, Mo., Mar. 9, 1888; *s.* Thos. J. and Charlotte (Wacker) M.; reared on farm; *m.* Carrie Lebo, Dec., 1914; *c.* Samuel A. Jr., Thos. O. B.S., Tex. A. & M. Coll., 1909; M.S.A., Cornell Univ.

McMurdo, George Asbury, instr. agr., Douglas Co. High-Sch., Castle Rock, Colo.

Asst. dry land agr., Akron Field Sta., Colo., 3½ yrs.; co. agrl. agt., Anadarko, Okla., 6 mos.; instr. agr., high-sch., Lamar, Colo., 1 yr. (Rural econ. and sociol.).—*b.* Franktown, Colo., Sept. 5, 1884; *s.* David and Anza Jane (Munroe) M.; reared on ranch; *m.* Hazel Allen, June 3, 1914 (d.); *c.* David Allen. B.S., Colo. Agr. Colo., 1913.

McMurtry, Ira B., co. agrl. agt., Cheboygan, Mich.

Teach., Ill., 9 yrs.; farmer, Mason Co., Mich., 1912-7.—*b.* Boonville, Ind., Aug. 8, 1873; *s.* Isaac and Eliza J. (Brashears) M.; reared on farm; *m.* Lillie W. Stewart, June 12, 1900; *c.* Vivian Inez. Grad. Ill. State Normal Univ., 1904; student Mich. Agr. Coll.

McNair, Albert Duy, agrst., Off. Farm Manag., U. S. Dept. Agr., Washington, D. C.

Supt. Exp. Farm, Southern Pines, N. C., 1901-3; assoc. ed., Tex. Farm and Ranch, 1906-7; present position, 1908-.—*b.* Dansville, N. Y., Oct. 18, 1866; *s.* David and Alice (McNair) M.; reared on farm; *m.* Georgie S. Stevens, Oct. 17, 1900; *c.* Alice. Student Univ. Minn., 3 yrs.

McNamara, Edward W., farmer, Winfield, N. Y.

Mem. legislative com., Fed. Bd. Farm Organizations.—*b.* Winfield, N. Y., Jan. 1, 1869; *s.* Thos. W. and Mary (Hastings) M.; reared on farm.

McNeal, Nancy Hill, asst. prof. home econ. Cornell Univ., Ithaca, N. Y.

Teach. graded and high schs., 1908-13; instr. home econ., Univ. Chicago, 1914-7; present position, 1917-.—*b.* Wheatley, Ky., Sept. 5, 1882; *d.* Wm. V. and Sallie (Crutcher) M.; reared on farm. Ph.B., Univ. Chicago, 1916.

McNeal, Thomas Allen, ed. Farmers' Mail and Breeze, Topeka, Kans.

Ed. Medicine Lodge Cresset, 1879-84; established Kansas Breeze, 1894. Mem. Kans. Legislature, 1885-7; mayor Medicine Lodge, 1890; governor's sec., 1905; state printer, Kans., 1905-11; mem. State Text Book Comn. *Auth.:* Tom McNeal's Fables, 1900.—*b.* Marion Co., O., Oct. 14, 1853; *s.* Allen and Rachel (Brownlee) M.; reared on farm; *m.* Anna Belle McPherson, Aug. 26, 1884. Student O. Central, Oberlin Coll., Hillsdale Coll.

McNeil, John H., chief Bur. An. Ind., Dept. Agr., Trenton, N. J.

Resident surg., Vet. Hospital, Univ, Penn., 1898-9; vet. insp., Dept. Agr.,

Buffalo, N. Y., 1899-1900; field vet., quarantine div., Bur. An. Ind., Salt Lake City, 1899-1900; dean vet. div., vet. Exp. Sta., and prof. anat., surg. and theory and practice of diseases of domesticated animals, Ia. State Coll., 1900-8; prof. surg. and obstetrics, Ohio State Univ., 1908-12; vet., Brazil Land, Cattle and Packing Co., Sao Paulo, Brazil, 1912-7; present position, 1917–. —*b.* Bowen, Ill., Jan. 9, 1870; *s.* Archibald Elliott and Mary (Hutchinson) M.; reared in town and on farm; *m.* Lucile Link, Sept. 16, 1908. V.M.D., Univ. Penn., 1898.

McNelly, Chester Le Roy, co. agrl. agt., Dodge Center, Minn.

Instr. agr., high-sch., 5 yrs. (Dairying and live-stock).—*b.* Portland, Minn., June 12, 1883; *s.* Wm. E. and Samantha (Wright) M.; reared on farm; *m.* Florence J. Hibbard, Dec. 28, 1910; *c.* Gertrude, Chester, Frederick. Grad. Univ. Minn. Alpha Zeta.

McNown, Mark Freeman, co. agrl. agt., Elkader, Ia.

Supt. and dir. agr., consolidated sch., Tintah, Minn., 1912-5; dairy tester, Univ. Wis., 1915-6; farmer, 1916; instr. agr., high-sch., Brainerd, Minn., 1917; agt. Clayton Co., Ia., 1918–.—*b.* Mauston, Wis., May 27, 1886; *s.* Henry and Cornelia (Curtis) M.; reared on farm. B.S., Univ. Wis., 1912.

McNutt, Matthew Brown, field sec., Presbyterian Bd. of Home Missions, Wooster, O.

Teach. distr. sch., 3 yrs. and princ. public schs., 2 yrs.; pastor Presbyterian Church, Du Page, Ill., 12 yrs.; present position, 1912–. (Country-life problems).—*b.* Leatherwood, Pa., Mar. 18, 1869; *s.* Matthew and Mary (Kirkpatrick) M.: reared on farm; *m.* Eliza Gertrude Rogers, June 25, 1902; *c.* Malcolm Rogers, Wilfrid Daniel, Mary Elizabeth. Mast. of Elements, Clarion State Normal, 1892; B.A., Drake Univ., 1897; B.D., McCormick Theol. Sem., 1900.

McPheeters, Archibald Allen, co. agrl. agt., Faribault, Minn.

Dir. agr., public schs., Two Harbors, Minn., 1912-4; dir. agr., high-sch., Hastings, 1915-6; agt. Logan Co., Okla., 1916-7; agt. Dakota Co., Minn., 1917-9; Rice Co., 1919–. (Dairying).—*b.* Bates Co., Mo., Mar. 30, 1890; *s.* Thos. R. and Margaret Elizabeth (Hunter) M.; reared on farm; *m.* L. B. Johnson, June 14, 1916; *c.* A. A. Jr. B.S., Okla. A. & M. Coll., 1912.

McRae, William Duncan, state rural sec. Y. M. C. A., Los Angeles, Calif.

b. Dunvegan, Ont., Nov. 29, 1871 (naturalized 1912); *s.* Malcolm D. and Jennie (McAlpine) M.; reared on farm; *m.* Clara Ethel Bates, Sept. 2, 1902; *c.* Horace Truman, Gordon Bates, Wm. D. Jr. A.B., Olivet Coll., 1901. Phi Alpha Pi.

McSparran, John Aldus, farmer, Furniss, Pa.

Master Pa. State Grange.—*b.* Furniss, Pa., Oct. 22, 1873; *s.* Jas. G. and Sara M. (Collins) M.; reared on farm; *m.* Bettie Harrison Goodwyn, Dec. 31, 1902; *c.* Sarah Margaret, Lacy Isabelle, Chas. Goodwyn, John Collins. Ph.B., Lafayette Coll., 1893.

McSwain, Horace Edison, co. agrl. agt., Vanceburg, Ky.

Supt. farm and for., Pine Mt. Settlement Sch., Ky., 1913-4; present position, 1914–.—*b.* Earl, N. C., Mar. 6, 1891; *s.* D. Floyd and Nazy (Sepaugh) M.; reared on farm; *m.* Mary A. Clayton, Apr. 6, 1915; *c.* Horace Clayton, Floyd Wm. Grad. Berea Coll., Ky., 1913.

McVey, Frank LeRand, pres. Univ. Ky., Lexington, Ky.

Prof. econ., Univ. Minn., 1896-1907; chm. Minn. Tax Comn., 1907-9; pres. Univ. N. D., 1909-17; present position, 1917–. Chm. Nat. Conference Marketing and Farm Credits, 1912-5; pres. Amer. Assoc. Agrl. Legislation. Rep. U. S. Bur. Educ. at British Univ. Conference, 1912; mem. State Board Educ., N. D., 1909-15; mem. State Board Voc. Educ., Ky., 1918–; sec. Nat. Assoc. State Universities, 1915–. *Auth.:* Modern Industrialism, 1904; Railroad Transportation, 1910; Making of a Town, 1913; Financial History Great Britain, 1914-5.—*b.* Wilmington, O., Nov. 10, 1869; *s.* Alfred Henry and Anna (Holmes) M.; reared in city; *m.* Mabel Moore Sawyer, Sept. 21, 1898;

c. Virginia, Frank Jr., Janet. A.B., Ohio Wesleyan, 1893; Ph.D., Yale Univ., 1895; LL.D., Ohio Wesleyan, 1910, Ala. Univ., 1919. Phi Gamma Delta.

McWhorter, Ovid Tullius, co. agrl. agt., Montesano, Wash.

Agrst., State Training Sch., Chehalis, Wash., 1912-4; agrl. agt., Clallam and Jefferson Cos., 1915-8; agrl. agt., Grays Harbor Co., 1918-. Food Adminis. Jefferson Co., 1918.—*b.* Berlin, W. Va., Mar. 3, 1884; *s.* Lucullus Virgil and Ardelia (Swisher) M.; reared on farm; *m.* Bertha Leone Heffner, Nov. 26, 1915; *c.* Lois Anne. B.S., Wash. State Coll., 1912. Alpha Zeta.

McWhorter, Virgil O., supt. U. S. Sheep Exp. Sta., Dubois, Ida.

Instr. an. husb., Wash. State Coll., 1913-4; present position, 1914-.—*b.* Berlin, W. Va., June 7, 1888; *s.* L. V. and Adelia A. ((Swisher) M.; reared on farm; *m.* Beryl Campbell, Oct. 31, 1916; *c.* Judith. B.S., Wash. State Coll., 1913. Alpha Zeta; Sigma Nu.

McWilliams, Howard C., co. agrl. agt., Ebensburg, Pa.

Farm supt., Va. Fruit Corp. Farms, 1911-4. (Fruit-growing and potatoes). —*b.* Elysburg, Pa., Feb. 10, 1887; *s.* Clifton C. and Georgia (Jefferis) M.; reared on farm; *m.* Julia Williams Jones, Aug. 12, 1914; *c.* Chas. Jay, Howard Clifton. B.S.A., Penn. State Coll., 1911. Alpha Zeta.

Mead, Elwood, prof. rural institutions, Univ. Calif., Berkeley, Calif.

Prof. irrig. engin., Colo. Agr. Coll., 1883-8; state engin., Wyo., 1888-98; chief irrig. invest., U. S. Dept. Agr. and prof. irrig. institutions, Univ. Calif., 1898-1907; chm. State Water Comn., Victoria, Australia, 1907-15; present position, 1915-; chm. State Land Settlement Bd., 1915-.—*b.* Patriot, Ind., Jan. 16, 1858; *s.* Daniel and Lucinda (Davis) M.; reared on farm. B.S., Purdue Univ., 1882; C.E., Ia. State Coll., 1883; D.Engin., Purdue Univ., 1904.

Mead, George Eugene, co. agrl. agt., Panama City, Fla.

Stockman and farmer, Mont., 1897-1903; supt. Minneapolis Cereal Mills, 1905-12; farmer, Escambria Co., Fla., 1912-; state live-stock insp. tick eradication, 1915-7; co. agt., 1917-. Traveled W. Indies, Europe, Africa, Asia, Philippines, etc., 1903-5.—*b.* Winona, Minn., July 21, 1881; *s.* Egbert Scudder and Emma (Rathman) M.; reared in city; *m.* Christine Helen Johnson, June 27, 1906; *c.* Geo. Egbert, Eugene Leroy, John Paul. Grad. Winona State Normal, 1897.

Meade, De Voe, prof. an. husb., Md. State Coll., College Park, Md.

Agrst., agrl. high-sch., Hector, Minn., 1911-2; chg. dairy and an. husb. dept., N. Y. State Sch. Agr., Alfred, 1912-4; instr. an. husb., Cornell Univ., 1914-8; present position, 1918-.—*b.* Clyde, N. Y., Aug. 26, 1886; *s.* Jas. Henry and Stella May (De Voe) M.; reared in town and country; *m.* Mary Florence Kepler, June 11, 1913; *c.* De Voe Kepler, Forest Chauncey. B.S., Penn. State Coll., 1911; Ph.D., Cornell Univ., 1918. Alpha Zeta; Phi Kappa Phi.

Meadows, Ada Georgene, asst. prof. dom. art, N. D. Agr. Coll., Agricultural College, N. D.

Instr., Miami Univ., 1915-8; present position, 1918-.—*b.* Ipswich, S. D., June 11, 1889; *d.* Geo. Cyrus and Almeda Mary (Luck) M.; reared in town. B.A., Univ. S. D., 1912; M.A., Columbia Univ., 1915. Kappa Alpha Theta.

Meadows, William Ransom, cotton tech., Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Dir. Miss. Textile Sch., 1905-10; asst. prof. carding and spinning, Clemson Agr. Coll., 1912-3; cotton tech., U. S. Dept. Agr., 1913-6, 1919-; cotton salesman, mostly at Milan, Italy, 1916-9. Sent by U. S. Dept. Agr. to England, Germany and France to secure adoption of U. S. Official Cotton Standards, 1914-5.—*b.* Lowndesboro, Ala., June 20, 1875; *s.* Ransom and Clara (Howard) M.; reared on farm and in town; *m.* Margaret Burke, Sept. 4, 1919. A.B., Howard Coll., Birmingham, Ala., 1894; B.S., Univ. Chicago, 1902; grad. Lowell, Mass., Textile Sch., 1904.

Means, Thomas Herbert, agrl. engin., 58 Sutter St., San Francisco, Calif.

With U. S. Dept. Agr., 9 yrs.; in U. S. Reclamation Serv., 6 yrs. Agrl. explorer for U. S. Dept. Agr. in Algeria, Tunis and Egypt, 1902. Private engin. practice, 1910–. (Irrig., reclamation, drainage).—*b.* Waterford, Va., Nov. 15, 1875; *s.* Samuel C. and Rachel Ann (Bond) M.; reared in town; *m.* Constance Adams, Nov. 6, 1900; *c.* Alice Adams, Thos. Moore. B.S. Columbian (now Geo. Washington) Univ., 1898; M.S., 1903.

Medlar, Arthur Walton, asst. prof. rural econ., Univ. Neb., Lincoln, Neb.

Instr. sci. and math., Gates Acad., 1906-10; acting princ., 1911-3; instr., Sch. Agr., Univ. Neb., 1913-5; farmer, 1915-8; present position, 1918–.—*b.* near Ohiowa, Neb., Feb. 20, 1876; *s.* Edgar Fearer and Martha Jane (Garrison) M.; reared on farm; *m.* Lucy Rice Fiske, July 12, 1911; *c.* Margaret Fiske, Faith Boutelle. S.B., Doane Coll., 1906; A.M., Univ. Neb., 1915. Gamma Sigma Delta.

Meek, Elizabeth Breckenridge, asst. prof. bact., Penn. State Coll., State College, Pa.

Instr. zool., Penn. State Coll., 1898-1900,1903-5; asst. prof. bact., 1905-9; now on leave of absence.—*b.* Bellefonte, Pa.; *d.* P. Gray and Susanna (Meek) M.; reared in city. B.S., Penn. State Coll., 1889; M.S., 1898; grad. student Univ. Chicago, 1900-1, 1906-7. Phi Kappa Phi.

Meek, Joseph Henry, co. agrl. agt., Pulaski, Va.

Princ. high-sch., Stephen City, Va., 1912-3; Dinwiddie, 1913-7; agt. Pulaski Co., 1917–. Pres. Dinwiddie Co. Teachers Assoc., 1913-7.—*b.* Rural Retreat, Va., Feb. 22, 1890; *s.* Chas. J. and Mollie E. (Buck) M.; reared on farm. A.B., Roanoke Coll., Salem, Va.; grad. student agr., Univ. Wis.

Megee, Clive R., asst. prof. farm crops, Mich. Agr. Coll., E. Lansing, Mich.

Teach. agr., Mo. Wesleyan Coll., 1915-7; present position, 1917–.—*b.* Nelson, Mo., Oct. 24, 1890; *s.* John W. and Addie (Austin) M.; reared on farm; *m.* Cleo Johnson, June 20, 1917. B.S.A., Univ. Mo., 1914; A.M., 1916.

Meguiar, Willie Maude, home dem. agt., Franklin, Ky.

Teach. country schs., Simpson, Ky., 8 yrs.; graded sch., Owensboro, 2 yrs.; present position, 1915–.—*b.* Franklin, Ky., Aug. 8, 1888; *d.* John Martin and Nannie Harris (Beard) M.; reared on farm. B.S., Franklin Female Coll., 1906; grad. W. Ky. State Normal Sch., 1912.

Mehl, Joseph Martin, invest. in coop. organization, Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Manag. Farmers Coop. Grain Elevator Co., Garwin, Ia., 1909-12; Story City, 1912-7; present position, 1917–.—*b.* Douglas Co., Ill., Sept. 9, 1886; *s.* Iver Johnson and Julia (Hanson) M.; reared on farm; *m.* Lenora Evelina Charlson, Jan. 6, 1911; *c.* Joseph Martin, Charlson Iver. Admitted to Bar of Ia., 1916; LL.M., Georgetown Univ., 1919.

Meigs, Edward Browning, physiologist, Dairy Div., Bur. An. Ind., U. S. Dept. Agr., Washington, D. C.

Asst. physiol., Univ. Penn., 1904-6; instr., Harvard Med. Sch., 1907-10; fellow in physiol., Wistar Inst., Philadelphia, 1910-5; present position, 1915–.—*b.* Philadelphia, Pa., Sept. 10, 1879; *s.* Arthur Vincent and Mary Roberts (Browning) M.; reared in city; *m.* Margaret Wister, 1910; *c.* Arthur Vincent, John Wister, Sarah Tyler, Mary Roberts. A.B., Princeton Univ., 1900; M.D., Univ. Penn., 1904.

Melander, Axel Leonard, prof. ent., Wash. State Coll., Pullman, Wash.

Instr. ent., Wash. State Coll., 1904-6; prof., 1906–; head dept. zool., 1907–; asst. ent., Wash. Exp. Sta., 1904-6; ent., 1906–. Fellow A. A. A. S.; fellow Ent. Soc. Amer. and vice-pres., 1916. *Auth.:* (with Brues) Key to Families of North American Insects, 1915. *Assoc. ed.,* Better Fruit; Psyche. (Diptera, codlin-moth, San Jose scale).—*b.* Chicago, Ill., June 3, 1878; *s.* Silas P. and Eda Mathilda (Bjork) M.; reared in city; *m.* Mabel Evans, Mar. 3, 1903; *c.* Chas. Lewis, Ivar Evans. B.S., Univ. Tex., 1901; M.S., 1902; Sc.D., Harvard Univ., 1914. Sigma Xi; Phi Kappa Phi.

Melchers, Leo Edward, head dept. bot. and plant path., Kans. State Agr. Coll., Manhattan, Kans.

Asst. hort. ext. schs., O., 1912; asst. plant path., Kans. Exp. Sta., 1913-5; instr. bot., 1915; collaborator cereal invests., U. S. Dept. Agr., 1916; asst. prof. bot., Kans. State Agr. Coll. 1916-8; assoc. prof., acting head dept. and state plant path., 1918; prof. plant path. and head of dept., 1919–.—*b.* Toledo, O., Aug. 1, 1887; *s.* Edward and Florentine (Laurer) M.; reared in city; *m.* Ivo M. Lewis, May 18, 1916. B.S., Ohio State Univ., 1912; M.Sc., 1913. Sigma Xi; Gamma Sigma Delta; Phi Kappa Phi; Alpha Zeta.

Melhus, Irving E., prof. plant path., Ia. State Coll., Ames, Ia.

Plant. path., Bur. Plant Ind., 1911-5; present position, 1916–.—*b.* Creston, Ill., Apr. 2, 1880; *s.* Ole and Ida (Enger) M.; reared on farm; *m.* Elizabeth Williamson, 1907; *c.* Sarah, Janet. B.S., Ia. State Coll., 1906; Ph.D., Univ. Wis. Sigma Xi; Gamma Sigma Delta; Phi Kappa Phi; Alpha Tau Omega.

Melvin, Robert T., co. agrl. agt., Burgaw, N. C.

b. White Oak, N. C.; *s.* Robt. A. and Varina Davis (Singletary) M.; reared on farm; *m.* Nina Boone, June 19, 1915; *c.* Mary Louise. B.S.A., N. C. State Coll., 1913. Alpha Zeta.

Mendelson, Hans, consulting agrst., Great Western Sugar Co., 409 Sugar Bldg., Denver, Colo.

Chief chem., sugar factories, to 1909; in chg. beet breeding and agrl. exptl. work, Great Western Sugar Co., 1910-5; consulting agrst., 1915–. Pres. Amer. Assoc. Sugar Beet Agrsts. (Sugar-beets and beet seed).—*b.* Germany, Oct. 30, 1871 (naturalized 1905); *s.* Max and Hedwig (Greinert) M.; reared in village; *m.* Ethel Morrison, June, 1909. Grad. Univ. Tubingen, Germany, 1892.

Mendenhall, Dean Warren, co. agrl. agt., Glendive, Mont.

Teach. agr., high-sch., Barnesville, Minn., 1914-6; Maddock, N. D., 1917. —*b.* W. Middleton, Ind., June 21, 1888; *s.* Simeon W. and Elizabeth (Johnson) M.; reared on farm; *m.* Esther Vera Seaman, May 26, 1917. B.S.A., N. D. Agr. Coll., 1914.

Mensching, James Ellsworth, assoc. agron., N. Y. State Exp. Sta., Geneva, N. Y.

Asst. nutr., Ohio Exp. Sta., 1911-3; Pa. Inst. Nutr., 1915-7; present position, 1917–. (Chem.).—*b.* Orrville, O., Nov. 30, 1886; *s.* John and Sophronia (Orr) M.; reared on farm; *m.* L. Ethel Emrick, Aug. 9, 1913; *c.* Jas. E. Jr. B.S., Ohio State Univ., 1915.

Merchant, Allen S., co. agrl. agt., Cortland, N. Y.

Farm manag., 12 yrs.; co. agt., 1915–. —*b.* Warsaw, N. Y., June 16, 1878; *s.* Wesley and Alice (Howes) M.; reared on farm; *m.* Sarah Whittaker, Oct. 6, 1903; *c.* Wilbur W. B.Sc., Rutgers Coll., 1903; M.Sc., 1907.

Mercier, William Benjamin, agrst. and field agt., U. S. Dept. Agr., Washington, D. C.

Farm manag., La. State Exp. Sta., 1892-5; farmer, Miss., 1895-1909; present position, 1909–. First Lieut. Miss. Nat. Guards. *Co.-auth.:* Knapp Method of Growing Cotton, 1913. (Agron.).—*b.* Summit, Miss., Sept. 6, 1868; *s.* Geo. W. and Sarah F. (Lane) M.; reared on farm; *m.* Cora E. Spikes, Sept. 20, 1893; *c.* Florence Sinclair. B.S., Miss. A. & M. Coll., 1892.

Meredith, Edwin Thomas, Secretary of Agriculture, U. S. Dept. Agr., Washington, D. C.

Pub. Farmers' Tribune, 1896-1902; Successful Farming, 1902–. Del. at Large, Dem. Nat. Convention, 1916. Dir. Chicago Fed. Reserve Bank; dir. U. S. Chamber Commerce. Mem. Excess Profits Bd., U. S. Treasury Dept.; mem. Amer. Mission to Great Britain and France, 1918; mem. Ind. Conference, Washington, 1919; pres. Associated Advertising Clubs of World.—*b.* Avoca, Ia., Dec. 23, 1876; *s.* T. O. and Minnie M. (Marsh) M.; reared on farm and in town; *m.* Edna C. Elliott, Jan. 8, 1896; *c.* Mildred Marie, Edwin T. Jr. B.S., Highland Park Coll., Des Moines.

Meriwether, Charles Nicholas, farmer, Trenton, Ky.

b. Ark., 1849; *s.* J. H. and Lucy E. (McClure) M.; reared on farm; *m.* Kitty Tutwiler; *c.* Lucy McClure, Robt. Tutwiler, Henry Tutwiler, Leon-

ard Tutwiler, Nicholas Hunter, Paoli Ashe. B.S., C.E., Washington and Lee Univ., 1872.

Merriam, Leslie Joseph, co. agrl. agt., Elkhorn, Wis.

Stockman and poultryman, Oxford, N. Y., 1916-8; princ. jr. high-sch., Concord, Vt., 1918-9; co. agrl. agt., Sutton, W. Va., 1919-20; present position, 1920-.—*b.* Darlington, Wis., June 30, 1893; *s.* Geo. B. and Amy (Jenks) M.; reared on farm; *m.* Marion L. Chambers, Sept. 7, 1916; *c.* Rodger Leslie, Gerald Beecher. B.S., Univ. Wis., 1916.

Merrill, Amy Lyman, asst. prof. household adminis. and supt. practice home, Utah Agr. Coll., Logan, Utah.

Head dom. sci. dept., L. D. S. high-sch., Salt Lake City, 1909-12; first home dem. agt. in Utah, 1913-4; present position, 1919-.—*b.* Tooele, Utah, Dec. 10, 1882; *d.* Francis Marion and Clara (Callister) Lyman; reared in city; *m.* Melvin Clarence Merrill, Sept. 9, 1914. B.S., Utah Agr. Coll., 1913.

Merrill, Frederick Augustus, prof. rural econ. and sociol., State Normal Sch., Athens, Ga.

Teach. common schs., Ga.; prof. sci., Union Baptist Inst., Mt. Vernon, Ga., 1906-8; prof. geography and nature-study, State Normal Sch., Athens, 1908-14; prof. rural econ. and sociol., 1914-; head dept. geography, Univ. Ga. Summer Sch., 1906-15; prof. geography, Summer Sch. of the South, Univ. Tenn., 1915-; prof. rural educ., Johns Hopkins Univ., 1917; dir. for southern states, U. S. Sch. Garden Army, Bur. Educ., 1918-. *Auth.:* What to Teach in Nature-Study, 1909; Field and Laboratory Note Book in Physical Geography, 1911; Geography of the Soils of Georgia, 1911; Primary Geography of Georgia, 1913; Advanced Geography of Georgia, 1913; (with L. S. Ivins) Practical Lessons in Agriculture, 1913; Geographic Readers, Vols. I, II, III, IV. *Ed.* and pub., The Educational Monthly. —*b.* Boston, Mass., June 15, 1875; *s.* Samuel and Lucy (Urann) M.; *m.* Effie Smith, Dec. 22, 1909. B.S., Mass. Agr. Coll., 1899; B.Sc., Boston Univ., 1899.

Merrill, George Enoch, co. agrl. agt., Santa Rosa, Calif.; 1883-Feb. 7, 1920. See Rus 1918.

Merrill, Joseph Henry, asst. prof. and asst. ent. Exp. Sta., and state apiarist, Kans. State Agr. Coll., Manhattan, Kans.

Present position, 1912-.—*b.* Danvers, Mass., Nov. 12, 1881; *s.* Joseph and Mary Frances (Sawyer) M.; reared in town; *m.* Lillian Briggs, Sept. 21, 1912; *c.* Joseph Briggs, Frances Somerville. B.S., Dartmouth Coll., 1905; Ph.D., Mass. Agr. Coll., 1914. Phi Gamma Delta; Phi Kappa Phi.

Merrill, Leon S., dean Coll. Agr. and dir. ext., Univ. Me., Orono, Me.

Present position, 1911-.—*b.* Solon, Me., Dec. 22, 1864; *s.* Stephen and Jerusha (Dean) M.; reared on farm; *m.* Alice E. Wilson, Aug. 12, 1884; *c.* Gladys H., Earl Stephen. Grad. Bowdoin Med. Coll., 1889. Phi Kappa Phi; Alpha Zeta.

Merrill, Lorin Asa, asst. state leader co. agts., Utah Agr. Coll., Logan, Utah; 1876-Jan. 26, 1919. See Rus 1918.

Merrill, Lucius Herbert, prof. biol. and agrl. chem., Univ. Me., Orono, Me.

Asst. dept. lithology and physical geol., U. S. Nat. Museum, 1885-6; chem., Me. Exp. Sta., 1886-1908; instr. biol. chem., Univ. Me., 1897-8; prof., 1898-1906; prof. biol. and agrl. chem., 1907-.—*b.* Auburn, Me., Oct. 1, 1857; *s.* Lucius and Anne Elizabeth (Jones) M.; *m.* Lydia Maria Buffum, June 24, 1893; 2d, Annie Clifford Moore, June 15, 1910. B.S., Univ. Me., 1883; Sc.D., 1908. Sigma Chi; Alpha Zeta; Phi Kappa Phi.

Merrill, Melvin Clarence, hort., Utah Agr. Coll., Logan, Utah.

Dir. dept. agr., Ida. Tech. Inst., Pocatello, 1915-7; present position, 1917-. Traveled around world, 1906-10; agrl. insp. and supt. Exp. Sta. in Philippines.—*b.* Richmond, Utah, Apr. 6, 1884; *s.* Marriner Wood and Maria Loenza (Kingsbury) M.; reared on farm; *m.* Amy Lyman, Sept. 9, 1914. B.S., Utah Agr. Coll., 1905; S.M., Univ. Chicago, 1912; A.M., Harvard Univ., 1913; Ph.D., Washington Univ., 1915. Sigma Xi; Gamma Sigma Delta; Phi Kappa Phi.

Merrill, Robert Dietz, princ. high-sch., Barton, Vt.

Teach. agr., People's Acad., Morrisville, Vt., 1915-6; princ. Bradford Acad., 1916-7; princ. jr. high-sch., St. Johnsbury, 1917-9; present position, 1919-. —*b.* Schoharie, N. Y., June 11, 1890; *s.* Wm. D. and Ella (Widmann) M.; reared in town; *m.* Nina G. Shepardson, Oct. 27, 1917; *c.* Robt. Frederick. B.S., Cornell Univ., 1915. Theta Chi.

Merrill, Sewall Egbert, co. agrl. agt., Las Vegas, Nev.

Asst. hort., N. Mex. A.&M. Coll., 1911-2; co. hort. insp., San Diego Co., Calif., 1912-3; instr. agr., Escondido high-sch., Calif., 1912-3; head. agrl. dept., Inglewood Union high-sch., Calif., 1913-6; agt. Clark Co., Nev., 1917-.—*b.* Davenport, Ia., Aug. 27, 1890; *s.* Warren A. and Eunice (Hall) M.; reared on farm; *m.* Iva Claire Buell, Aug. 27, 1912; *c.* Egbert M., Theodore W. B.S.A., N. Mex. A.&M. Coll., 1911.

Merritt, Worth W., co. agrl. agt., New London, Mo.

Dir. agr., De Witt, Ia., 1916; agt. Sullivan Co., Mo., 1917-. Served as Sergeant Infantry, U. S. Army.—*b.* Ia., Aug. 13, 1893; *s.* Wm. and Josephine (Wade) M.; reared on farm; *m.* Eula Reed, Nov. 10, 1919. B.S., Ia. State Coll., 1915.

Merry, H. Seymour, agt. in dairying and cheese specialist, Va. Poly. Inst., Blacksburg, Va.

b. Verona, N. Y., Mar. 8, 1881; *s.* Gottlieb and Sarah J. (McGann) M.; reared on farm; *m.* Grace B. Taber, Mar. 21, 1907; *c.* Helena A., Esther M. Special student, Cornell Univ., 1905-7.

Mervine, Ernest Muchmore, assoc. prof. agrl. engin., Ia. State Coll., Ames, Ia.

b. Milton, Pa., Mar. 30, 1887; *s.* Chas. S. and Nellie K. (Muchmore) M.; reared on farm; *m.* Eva F. Martyn, July 23, 1913. M.E., Lehigh Univ., 1909.

Merz, Albert Ronald, consulting chem., Lakeside, Neb.

Instr., Univ. Va., 1909-10. (Agrl. chem.).—*b.* Lynchburg, Va., Jan. 14, 1887; *s.* John and Helene (Chase) M.; reared in city; *m.* Florence Estelle Hartman, Sept. 23, 1914; *c.* Mary Frances. B.S., Univ. Va., 1909; M.S., 1911.

Metcalf, Clell Lee, prof. ent., Ohio Stat Univ., Columbus, O.

Asst., Ohio State Univ., 1911-2 asst. ent., N. C. Exp. Sta., 1912-4 asst. prof. ent., Ohio State Univ., 1914 9; prof., 1920-; consulting ent., M Exp. Sta., summers, 1915-7; prof. biol Cornell Univ., summers, 1918-9.—b Lakeville, O., Mar. 26, 1888; *s.* Ab Crawford and Catherine (Fulmer) M. reared on farm; *m.* Cleo Fouch, Dec. 31 1908; *c.* Robt. Lee. B.A., Ohio Stat Univ., 1911; M.A., 1912; S.D., Har vard Univ., 1919. Sigma Xi.

Metcalf, Haven, path. in chg. for. path. Bur. Plant Ind., U. S. Dept. Agr. Washington, D. C.

Instr. bot., Brown Univ., 1896-9 prof. biol., Tabor Coll., 1899-1901 instr. bact., Univ. Neb., 1901-2; prof bot., Clemson Agr. Coll., 1902-6; path. Bur. Plant Ind., 1906-7; present title 1907-. Pres. Amer. Phytopath. Soc. 1915; pres. Bot. Soc. of Washington 1919-20. *Assoc. ed.*, Phytopathology 1910-4. Traveled in Italy, 1908.—*b* Winthrop, Me., Aug. 6, 1875; *s.* Geo Shepard and Prudence (Grant) M.; reared on farm; *m.* Flora May Holt, June 28, 1899. A.B., Brown Univ., 1896; A.M., 1897; Ph.D., Univ. Neb., 1903. Delta Upsilon.

Metcalf, Woodbridge, asst. prof. for., Univ. Calif., Berkeley, Calif.

Present position, 1914-.—*b.* Grosse Pointe, Mich., June 23, 1888; *s.* Chas. Horton and Mattie Kitchell (Woodbridge) M.; reared in country and city; *m.* Norah Clements, Sept. 26, 1914; *c.* Beatrice Marian. A.B., Univ. Mich., 1911; M.S.F., 1912. Sigma Xi; Phi Gamma Delta.

Metcalf, Zeno Payne, prof. zool. and ent. and ent. Exp. Sta., N. C. State Coll., W. Raleigh, N. C.

Instr. ent. and asst. ent. Exp. Sta., Mich. Agr. Coll., 1907-8; asst. ent., N. C. Dept. Agr., 1908-12; present position, 1912-.—*b.* Lakeville, O., May 1, 1885; *s.* Abel C. and Catherine (Fulmer) M.; reared on farm; *m.* Luella Correll, Oct. 20, 1909; *c.* Katherine E. B.A., Ohio State Univ., 1907. Alpha Gamma Rho.

Metzger, Fraser, minister, Randolph, Vt.

Food adminis., Vt., 1917-8; in U. S. Army, 1918-9. Mem. social serv. comn., Nat. Council of Congregational Churches; mem. Americanism Comn. of Amer. Legion.—*b.* Gloversville, N. Y., Oct. 25, 1872; *s.* Albert H. and Catherine (Lenz) M.; reared in village; *m.* Jessie Amy Lacy, June 12, 1902; *c.* Albert Lacy, Roscoe F., Earl E. A.B., Union Coll.; B.D., Christian Biblical Inst. Phi Beta Kappa; Delta Upsilon.

Metzger, Grover E., co. agrl. agt., Goshen, Ind.

b. Leesburg, Ind., June 7, 1888; *s.* Wm. and Addie (Wilkinson) M.; reared on farm; *m.* Hazel Rarrick, Mar. 7, 1916; *c.* Robt. Earl. B.S.A., Purdue Univ., 1914.

Metzger, Jacob Elry, agron., Md. Exp. Sta., College Park, Md.

Princ. elementary schs., Pa., 1902-6; teach. agr., high-sch., Minn., 1911-3; prof. agrl. educ. and dir. summer sch. for teachers, Md. State Coll., 1914-7; superv. agrl. instr., Md. State Dept. Educ., 1915-7; present position, 1917–.—*b.* New Enterprise, Pa., July 30, 1882; *s.* Jacob B. and Kathryn (Dilling) M.; reared on farm; *m.* Jennie Reba Butts, May, 1912. B.S., Penn. State Coll., 1911. Sigma Phi Sigma.

Meyer, Arthur John, dir. agrl. ext., Univ. Mo., Columbia, Mo.

Asst. agron., Univ. Wis., 1902-4; special agt. an. husb., Colo. Agr. Coll., 1904-5; asst. to dean and dir., Coll. of Agr., Univ. Mo., 1911-4; present position, 1914–. First pres. Wis. Exp. Assoc.; chm. com. on agr. and food production, Mo. Council of Defense, 1917-8; special agt. U. S. Food Adminis., 1917-8. Farmer, 1907-11. *Assoc. ed.*, Wisconsin Agriculturist, 1906-7. (An. husb., rural organization).—*b.* near Milwaukee, Wis., June 24, 1878; *s.* John and Sophia M.; *m.* Illma Margaret Rohr, Sept. 4, 1911; *c.* Donald, John, Philip. B.S.A., Univ. Mo., 1915. Alpha Zeta; Gamma Sigma Delta.

Meyer, Martin H., manag. in chg. Chr. Hansen's Lab., Inc., Milwaukee, Wis.

Instr. dairying, Univ. Wis., 1902-7. Sec-treas. Nat. Creamery Buttermakers Assoc., 1913-20. *Auth.:* Modern Buttermaking and Dairy Arithmetic, 1910; Dairy Guide, 1913; Treatise on Starters, 1915.—*b.* Cedarburg, Wis., Sept. 24, 1869; *s.* Henry and Louise (Wiepking) M.; reared on farm; *m.* Nora M. Ryan, June, 1902; *c.* John M. Grad. short-course agr., Univ. Wis., 1897; dairy course, 1902.

Meyers, P-T., co. agrl. agt., Newcastle, Wyo.

Prof. agr., high-sch., Stromsburg, Neb., 1914-5; asst. and instr. agron., Univ. Wyo., 1915-7; formerly agt. Campbell Co., Wyo. Sergeant, Tank Corps, U. S. Army. (Agron.).—*b.* Hendley, Neb., Jan. 12, 1891; *s.* Philip and Ida (Johnson) M.; reared on farm. B.S.A., Univ. Neb., 1914.

Michels, Mathew, dairy farmer and breeder Guernsey cattle, Peebles, Wis.

Owner and operator butter and cheese factories, 17 yrs.; instr. dairying, Univ. Vt., 2 yrs.; Univ. Wis. Pres. Wis. Cheesemakers Assoc.; Pres. Wis. Buttermakers Assoc.; pres. Wis. Dairymens Assoc.; pres. Fond du Lac Co. Guernsey Breeders Assoc.—*b.* Fond du Lac Co., Wis., Jan. 9, 1870; *s.* Math. J. and Elisebeth (Gilles) M.; reared on farm; *m.* Katthrin Bast, Nov. 28, 1895; *c.* Harvey, Hiram, Edna, Leo. Student Univ. Wis.

Mickel, Clarence Eugene, ext. ent., Univ. Neb., Lincoln, Neb.

Served as 2d Lieut., U. S. Army. (Hymenoptera).—*b.* Lincoln, Neb., Feb. 29, 1892; *s.* Fred W. and Carrie A. (Brown) M.; reared in city; *m.* Electa Mae Allen, Dec. 22, 1914; *c.* Virginia Y., Stanley A. B.Sc., Univ. Neb., 1917. Sigma Xi; Alpha Zeta.

Middaugh, Irving S., co. agrl. agt., St. Marys, W. Va.

b. Brookton, N. Y., Nov. 6, 1897; *s.* Augustus and Viola M.; reared on farm. B.S., Cornell Univ., 1918.

Middleton, Morrice Smith, provincial hort. and insp. fruit pests, Victoria, B.C.

Asst. provincial hort., 1909-17; hort. and insp. fruit pests, 1917–.—*b.* Aberdeenshire, Scotland, May 24, 1883; *s.* Wm. and Catherine (Smith) M.; reared on farm. B.S.A., Ont. Agr. Coll., 1909

Midkiff, John Howard, asst. agrst., Hawaiian Sugar Planters Assoc., Honolulu, H. I.

Co. agt., Hawaii Co., 2½ yrs.; asst. prof. agr., Univ. Hawaii, 1919-20. Food adminis., Island of Hawaii; mem. Territory of Hawaii Fair Com. *Ed.*, agrl. div., Honolulu Star-Bulletin.—*b.* Stonington, Ill., Jan. 16, 1893; *s.* J. J. and Bertha (Wilson) M.; reared in country and village; *m.* Floye A. Henderson, June 29, 1917. B.S., Univ. Ill., 1917. Beta Theta Pi; Alpha Zeta.

Milam, Ava Bertha, dean Sch. Home Econ., Ore Agr. Coll., Corvallis, Ore.

Teach. public schs., Atlanta, Mo., 1903-4; Blees Military Acad., Macon, 1904-7; teach. summer sch., N. Ill. State Normal Sch., summer 1911; Ia. State Coll., 1911; present position, 1911-. Dir. home econ. for Ore., Fed. Food Adminis. *Auth.:* Camp Cookery, 1917.—*b.* Macon, Mo., Nov. 27, 1884; *d.* Ancil and Mary Louise (McGinnis) M.; reared on farm. Ph.B., Univ. Chicago, 1910; A.M., 1911.

Milam, Carl Hastings, sec. Amer. Library Assoc. and gen. dir. Library War Serv., 78 E. Washington St., Chicago, Ill.

Asst., Univ. Okla. Library, 1904-7, John Crerar Library, Chicago, 1907, Purdue Univ. Library, 1908-9; sec. and state organizer, Public Library Com. of Ind., 1909-13 (including state traveling libraries); dir. Public Library, Birmingham, Ala., 1913-9; asst. (later acting) gen. dir. Library War Serv., Amer. Library Assoc., 1917-9; present position, 1920-. Pres. League of Library Comns., 1912-3.—*b.* Harper Co., Kans., Oct. 22, 1884; *s.* Geo. L. and Florence Amanda (Burch) M.; *m.* Nellie Watson Robinson, May 16, 1910; *c.* Margery, Mary Virginia. B.A., Univ. Okla., 1907; student N. Y. State Library Sch., 1907-8. Beta Theta Pi.

Miles, Frank C., manag. Union Grove Fiber Co., Union Grove, Wis.

Sci. asst. fiber invests., U. S. Dept. Agr., 1913-7; commercial production of hemp and flax fiber, 1917-. Pres. Wis. Hemp Order, 1917-9.—*b.* Meadow Grove, Neb., Mar. 23, 1890; *s.* Riley C. and Nettie M. (Freeman) M.; reared on farm; *m.* Mildred A. Marshall, Aug. 12, 1914; *c.* Janet Frances. A.B., Univ. Neb., 1912; A.M., 1913. Sigma Xi; Alpha Zeta.

Miles, Warren Ensign, teach. agr., Burnt Hills, N. Y.

Teach. agr., high-sch., Walton, N. Y., 1913-6; Burnt Hills, 1917-.—*b.* Erieville, N. Y., Oct. 8, 1890; *s.* Wellington and Mary (Ensign) M.; reared in village; *m.* Myrtle E. Richards, Sept. 28, 1916. Grad. Cortland Normal Sch., 1913.

Milham, Clinton Pomeroy, co. agrl. agt., Tawas City, Mich.

Seed corn specialist, States Relations Serv., 1917.—*b.* Kalamazoo, Mich., Jan. 20, 1893; *s.* Robt. E. and Clemana (Pomeroy) M.; reared on farm. Student Mich. Agr. Coll., 2 yrs.

Millar, Charles Ernest, assoc. prof. soils, Mich. Agr. Coll., E. Lansing, Mich.

Grad. asst. chem., Univ. Ill., 1909-10; asst. chem., Kans. State Agr. Coll., 1910-1; asst. soil chem., 1911-3; asst. soils, 1913-5; asst. prof. soils, Mich. Agr. Coll., 1915-8; assoc. prof., 1918-.—*b.* Coles Co., Ill., June 23, 1885; *s.* Adam and Fannie B. (Knowles) M.; reared in country; *m.* Lucile E. Kays, June, 1912; *c.* Margaret. B.S., Univ. Ill., 1909; M.S., 1911; B.S. in Agr., Kans. State Agr. Coll., 1915. Phi Lambda Upsilon; Alpha Zeta.

Miller, Charles, asst. prof. agrl. engin., Ia. State Coll., Ames, Ia.

b. Somerville, N. J., Sept. 13, 1885; *s.* John B. and Eliza S. (Smith) M.; reared on farm; *m.* Josephine Thompson, June 28, 1916; *c.* John B., Celia M. B.Sc., Rutgers Coll., 1913.

Miller, Charles C., beekeeper and writer, Marengo, Ill.

Pres. Nat. Beekeepers Union; pres. Northern Ill. Hort. Soc. *Auth.:* A Book—By P. Benson, Sr., 1874; A Year Among the Bees, 1886; Forty Years Among the Bees, 1902; Fifty Years Among the Bees, 1911. *Assoc. ed.*, American Bee Journal, 1894-; dept. ed., Gleanings in Bee Culture, 1890-.—*b.* Ligonier, Pa., June 10, 1831; *s.* Johnson and Phebe (Roadman) M.; reared in village; *m.* Mrs. H. M. White, Aug. 12, 1857 (d. 1880); 2d, Sidney J. Wilson.

Nov. 15, 1881; *c.* Chas. Clinton. A.B., Union Coll., 1853; M.D., Univ. Mich., 1856. Phi Beta Kappa.

Miller, Charles Elbridge, live-stock dem. agt., Charlotte, N. C.

Prof. agr., Cent. Normal Coll., Danville, Ind., 1913-5.—*b.* Oxford, O., May 29, 1883; *s.* John F. and Mary E. (Wolber) M.; reared on farm; *m.* Maud Abigail Campbell, Dec. 4, 1915; *c.* Campbell E. B.S., Miami Univ., 1914.

Miller, Edward Andrew, agrst. and field agt., States Relations Serv., U. S. Dept. Agr., Washington, D. C.

Instr., Ala. Poly. Inst., 1900-1; prof. agr., 7th Distr. Agr. Sch.. Ala., 1901-5; pres. 9th Distr. Agr. Sch., 1905-11; pres. 7th Distr. Agr. Sch., 1911-3; specialist in agrl. educ., U. S. Dept. Agr., 1913-7; agrst. and field agt., 1917–. *Auth.:* Elementary Vocational Agriculture for Maryland Schools, 1915; Elementary Agriculture for Virginia Schools, 1917.—*b.* Albertville, Ala., Feb. 2, 1878; *s.* Thos. J. and Alpha B. (Ray) M.; reared on farm; *m.* Jessie B. Sims, Aug. 27, 1905; *c.* Grace Marjorie, Martha Ruth, Edward A. Jr. B.S., Ala. Poly. Inst., 1900; M.S., 1903.

Miller, Elva E., ed. Southern Agriculturist, Nashville, Tenn.

Manag. ed. Progressive Farmer, 1908-13; ed. Southern Farm Journal, 1914; Southern Agriculturist, 1915–. *Auth.:* Fertilizing for Profit, 1911; Field-Path and Highway, 1913.—*b.* Greene Co., Tenn., Nov. 27, 1879; *s.* L. N. and Laura (White) M.; reared on farm; *m.* Hattie Senter, Feb. 25, 1910; *c.* Elva E., Harry Tandy, Whitman, Stanford.

Miller, Eugene Adam, sweet potato storage specialist, Tex. A. & M. Coll., College Station, Tex.

Instr. hort., Tex. A. & M. Coll., 2 yrs.; hort., Tex. State Dept. Agr., 2 yrs.; hort., Louisville and Nashville R. R., 4 yrs.; present position, 1918–. —*b.* New Ulm, Tex., Apr. 13, 1887; *s.* F. B. and Hedwig (Wangemann) M.; reared on farm; *m.* Ella Lucile Schroeder, Aug. 24, 1916; *c.* Helen Lucile. B.S., Tex. A. & M. Coll., 1908; student Cornell Univ., 1910-1.

Miller, Francis Garner, prof. for. and dean Sch. For., Univ. Ida., Moscow, Ida.

Prof. for., Univ. Neb., 1903-7; prof. for. and dean Coll. For., Univ. Wash., 1907-12; prof. for. and head dept., Wash. State Coll., 1915-7; present position, 1917–. With U. S. For. Serv., summers, 1901-12. Mem. Wash. State Conservation Comn., 1908-9; Wash. State For. Legislation Comn., 1910.—*b.* Lanark, Ill., June 2, 1866; *s.* Isaiah and Isabelle Jane (Moffett) M.; reared on farm; *m.* Evelyn Depew Miller, Sept. 15, 1906. B.Ph., State Univ. Ia., 1900; B.S.A., Ia. State Coll., 1901; M.F., Yale Univ. For. Sch., 1903. Sigma Xi; Alpha Zeta.

Miller, Guy W., co. agrl. agt., Warren, O.

b. Pataskala, O., Sept. 14, 1892. B.S.A., Ohio State Univ., 1919. Delta Theta Sigma.

Miller, Henry Alanson, agrst., Off. Farm Manag., U. S. Dept. Agr., Washington, D. C.

Grain farmer, Wash., 15 yrs.; fruit-grower, Va., 9 yrs.—*b.* Pa., Oct. 8. 1874; *s.* Augustus and Delila Ann (Weaver) M.; reared on farm; *m.* Marian J. Cockrell, 1904; *c.* Doris, Leslie, Henry A. Jr. B.S.A., Wash. State Coll., 1901.

Miller, Henry Paul, farmer, Sunbury, O.

Instr., Ohio State Univ., short-course, 1906-7; prof. agr. and dir. short-courses, Okla. A. & M. Coll., 1908-10; special invest. for Tariff Bd., 1910-1; agt. Portage Co., O., 1913-7; vice-pres., O. Farm Bur. Fed., 1919-20; pres. Central Milk Producers Co., Columbus, O., 1920; dir. Farmers Coop. Grain Dealers Assoc. of Ohio, 1920; dir. Condit Farmers Coop. Co., Condit, O., 1920; instr. Ohio Farmers Inst., 1919-20. Contributing ed., Ohio Farmer. (Farm tenancy, live-stock).—*b.* Sunbury, O., Nov. 8, 1865; *s.* Wm. D. and Mary (Paul) M.; reared on farm; *m.* Emma Caroline Pierson, May 19, 1891; *c.* Wendell P., Willard A., Russell Wells, Paul Condit. B.S., Antioch Coll., 1889; D.V.M., Ohio State Univ., 1895; M.S., Antioch Coll., 1890.

Miller, Herbert Le Roy, co. agrl. agt., Winton, N. C.

With State Plant Bd., Fla., citrus canker eradication, 1916-7. 2d Lieut.,

Aviation Sect. Signal Corps, U. S. Army, 1917-8.—*b.* Mt. Olive, Miss., Sept. 22, 1894; *s.* Anslem and Annie L. (Cole) M.; reared on farm. B.Sc., Miss. A. & M. Coll., 1916.

Miller, James Henry, minister, 443 W. Main St., Lebanon, Tenn.
Adj. prof., Trinity Univ., Tex., 1883-4. Superv. rural work in presbytery.—*b.* Independence, Mo., Feb. 3, 1860; *s.* John Henry and Mary (Henderson) M.; reared on farm; *m.* Cornelia Maude Hoyt, Feb. 24, 1891; *c.* Jas. Hum, Charlene Frances. A.B., Trinity Univ., 1883; B.D., Cumberland Univ., 1886; D.D., 1910. Beta Theta Pi.

Miller, John Lester, co. agrl. agt., Campbellsville, Ky.
b. Dayton, Va., June 20, 1895; *s.* Noah Preston and Elizabeth C. (Swarts) M.; reared on farm. Student Washington and Lee Univ., 1914; Geo. Peabody Coll., 1916-7.

Miller, Karl Harold, co. agrl. agt., Iron Mountain, Mich.
Teach. agr., Bangor, Mich., 1915-7; Anoka, Minn., 1917-8; seed analyst, Albert Dickinson Seed Co., Chicago, 1918-9; co. agrl. agt., Middlebourne, W. Va., 1919-20; agt. Dickinson Co., Mich., 1920–. In U. S. Army, 4 mos.—*b.* Fremont, Mich., Mar. 1894; *s.* Dennis and Rhoda (Crawford) M.; reared on farm. B.S., Mich. Agr. Coll., 1915.

Miller, Louis Francis, farmer and gardener, R. F. D. 3, Toledo, O.
Sec.-treas. Toledo Gardeners Exchange; pres. Florists and Gardeners Insurance Assoc. of O.; pres. O. Veg. Growers Assoc.; partner Miller Farm and Greenhouse Co.—*b.* Toledo, O., Aug. 24, 1873; *s.* Henry and Catherine (Kipp) M.; reared on farm; *m.* Sidoria T. Harts, Jan. 23, 1906.

Miller, Maurice Etheldred, co. agrl. agt., Charleston, Miss.
Agrst. for Marshall Co. Agrl. High-Sch., Lamar, Miss., 1913-6; agrst. for Franklin Co., Meadville, 1916-7; agt. Franklin Co., 1917; agt. Tallahatchie Co., 1918–.—*b.* Holly Springs, Miss., Apr. 13, 1893; *s.* Maurice M. and Sallie (McAuley) M.; reared on farm. B.Sc., Miss. A. & M. Coll., 1913.

Miller, Merritt Finley, prof. soils, asst. dean Coll. Agr. and asst. dir. Exp. Sta., Univ. Mo., Columbia, Mo.
With Bur. Soils, U. S. Dept. Agr., 1901-2; agron., Ohio State Univ., 1902-4; prof. agron., Univ. Mo., 1904-14; prof. soils, 1914–. Traveled and studied in Europe, 1910-1.—*b.* Grove City, O., July 7, 1875; *s.* E. Ed. and Eliza A. (Demorest) M.; reared on farm; *m.* Alice G. Thompson, Dec., 1902; 2d, Grace Ernst, Dec., 1914.; *c.* Edward Ernst, Elizabeth Marie, Robt. Demorest. B.S.A., Ohio State Univ., 1900; M.S.A., Cornell Univ., 1901. Sigma Xi; Alpha Zeta.

Miller, Paul E., supt. West Central Sch. and Sta., Univ. Minn., Morris, Minn.
(Secondary agrl. educ.).—*b.* Cedar Rapids, Ia., Oct. 30, 1889; *s.* J. K. and Ida E. (Bluebaugh) M.; *m.* Ada Margaret Jones, June 23, 1914; *c.* John B. B.S.A., Ia. State Coll., 1911. Phi Sigma Kappa; Delta Sigma Rho; Gamma Sigma Delta.

Miller, Robert Frederick, prof. sheep husb., Tex. A. & M. Coll., College Station, Tex.
Asst., Ia. State Coll., 1909-10; instr., Mont. State Coll., 1910-4; asst. prof., Univ. Calif., 1914-8; present position, 1919–.—*b.* New Ulm, Tex., Aug. 20, 1889; *s.* F. B. and Hedwig (Wangemann) M.; reared on farm; *m.* Roxie Minette Knolle; *c.* Virginia Ida, Josephine Anne. B.S.A., Tex. A. & M. Coll., 1909;; M.S., Ia. State Coll., 1912. Alpha Zeta.

Miller, U. A., co. agrl. agt., Taylorsville, N. C.
Princ. Roaring River Inst., 1909-13; Mt. Pleasant high-sch., 1914-7; present position, 1918–. Served in Infantry, U. S. Army in Spanish-Amer. War.—*b.* Wilkesboro, N. C., Dec. 20, 1876; *s.* Alexander and Sara E. (Call) M.; reared on farm; *m.* Blanche Winkler, Jan. 25, 1899; *c.* Ralph Edwin, Lawrence Alton.

Miller, William Tyler (formerly Wilhelm), lands. arch., 715-719 Stevens Bldg., Detroit, Mich.
Assoc. ed., Cyclo. Amer. Hort., 1897-1901; manag. and hort. ed., Country Life in Amer., 1901-12; ed. Garden Magazine, 1905-12; asst. prof. lands.

hort. and head div. lands. ext., Univ. Ill., 1912-6. Traveled in U. S. and England to study and describe estates and city planning. *Auth.:* How to Make a Flower Garden, 1903; What England can Teach us About Gardening, 1911; The Illinois Way of Beautifying the Farm, 1913; The Prairie Spirit in Landscape Gardening, 1916.—*b.* Duane, Va., Nov. 14, 1869; *s.* Albert and Olive (Tyler) M.; reared in city; *m.* Mary Farrand Rogers, June 8, 1899; *c.* Ruth Rogers, Farrand Rogers. A.B., Univ. Mich., 1892; A.M., Cornell Univ., 1897; Ph.D., 1899. Phi Beta Kappa; Sigma Xi; Psi Upsilon.

Milliman, Thomas E., manag. organization, Dairymens League, 303 Fifth Ave., New York, N. Y.

Farm manag., L. I., 1912-5; agt. Orange Co., 1915-8; asst. state leader co. agts., 1919; present position, 1920-. —*b.* Avon, N. Y., Mar. 4, 1890; *s.* Geo. P. and Lillian (Noble) M.; reared on farm; *m.* Amy Treman, June 9, 1917; *c.* Leonard Treman. Cornell Univ., 1912. Alpha Gamma Rho.

Mills, William Hayne, prof. rural sociol., Clemson Agr. Coll., Clemson College, S. C.

Tutor, Hebrew Columbia Sem., 1897-8; farmer, Pendleton, S. C., 1906-; pastor, Presbyterian Church, Clemson Coll., 1906-17; present position, 1917-. Instr. in chg. dept. rural econ. and sociol., A. E. F. Univ., Beaune, France. —*b.* Winnsboro, S. C., Sept. 12, 1872; *s.* W. W. and Edith A. (Smith) M.; *m.* Emma Louise Pressley, Apr. 18, 1899; *c.* Edith Louise, Wm. H. Jr., Mary Leighton. A.B., Davidson Coll., N. C., 1892; B.D., Columbia Theol. Sem., 1897; D.D., Presbyterian Coll. of S. C. Kappa Sigma.

Millsaps, Elliott Stephen, distr. agrl. agt., Statesville, N. C.

Farmer, 1898-1908; agrl. ext., 1908-. —*b.* Alexander Co., N. C., July 7, 1865; *s.* Joseph Cromwell and Jane (Hendren) M.; reared on farm; *m.* Delia Euanna Brown, Sept. 5, 1889; *c.* Vera Euanna, Ewing Stevenson, Gratz Brown, Katherine Alberta.

Milward, James Garfield, assoc. prof. hort., Univ. Wis., Madison, Wis.

Sec. Wis. Potato Growers Assoc., 1912.—*b.* Madison, Wis., Apr. 5, 1881; *s.* Wm. Henry and Hannah (Brothers) M.; *m.* Goldie S. Mandt, July 6, 1910; *c.* Jas. Mandt, David Mandt, Helen Jane. B.S.A., Univ. Wis., 1907; M.S.A., 1909. Alpha Zeta.

Minch, Lewis Willard, farmer and fruitgrower, Bridgeton, N. J.

Sec.-treas. Minch Bros., Inc.; treas. Cumberland Fruit Farms. Ex-pres. N. J. State Hort. Soc.; vice-pres. N. J. State Bd. Agr.—*b.* Bridgeton, N. J., Sept. 9, 1864; *s.* Lewis B. and Lydia (Veale) M.; reared on farm; *m.* Angeline Whittington Kemp. Student Colgate Univ., Crozer Theol. Sem. Beta Theta Pi.

Minch, Walter L., farmer, pres. Cumberland Fruit Farms, Bridgeton, N. J.

b. Bridgeton, N. J., July 8, 1861; *s.* Lewis B. and Lydia (Veale) M.; reared on farm; *m.* Luala A. Thompson, Dec. 29, 1884; *c.* Inez T., Olive L., Edith M., L. Ada, Helen E., Richard D., Lewis B., Hannah Moore.

Minear, Augustus Clay, asst. superv. agr., Los Angeles schs., 419 Olive St., Los Angeles, Calif.

Asst. educ. dir., Y. M. C. A., San Francisco, 1902-3; prof. math., Univ. S. Calif., 1903-4; farmer, Ia., 1905-15. Mem. ext. staff, Coll. Agr., A. E. F. Univ., Beaune, France.—*b.* Kilbourn, Ia., July 1, 1873; reared on farm. A.B., Ia. Wesleyan, 1898; A.M., Northwestern Univ., 1902.

Miner, Aaron W., co. agrl. agt., Canton, Ill.

b. McDonough Co., Ill., Apr. 13, 1882; *s.* Timothy G. and Prudence H. (Russell) M.; reared on farm; *m.* Inez L. McClenahan, Aug. 17, 1910; *c.* Timothy G., Wendell Edward. B.S., Univ. Ill., 1904. Alpha Zeta.

Miner, J. Howard, co. agrl. agt., Stronghurst, Ill.

Stock farmer, 1907-18.—*b.* Adair, Ill., Apr. 22, 1884; *s.* Timothy G. and Prudence H. (Russell) M.; reared on farm; *m.* Edna Pearl Barnhart, Nov. 25, 1908; *c.* Harold Eugene, Harvey Russell, Sibyl Irene. B.S., Univ. Ill., 1907.

Minkler, Frederick C., prof. an. husb., Rutgers Coll., New Brunswick, N. J.

Present position, 1906–; dir. short-courses in agr., 1912–. Sec. and exec. officer, State Live-Stock Comn., 1908–; mem. State Bd. Agr., 1908–; mem. Stallion Exec. Bd., 1908–. Traveled Great Britain and Europe, 1909-10, investigating live-stock. Live-stock ed., Nev. Evening Journal.—*b.* Nevada, Ia., Nov. 11, 1881; *s.* Chas. M. and Ella (White) M.; reared on farm; *m.* Helen R. Andrews, Oct. 11, 1910; *c.* Rhoda. B.S.A., Ia. State Coll., 1905.

Minor, Edith C., home dem. agt., Boulevard, Va.

Teach. geometry and Latin, high-sch,, Marriot, Va., 1911-3; princ. Liberty jr. high-sch., 1916-8; supt. Kent Co. schs., 1918-9; present position, 1919–.—*b.* Owenton, Va., Oct. 18, 1890; *d.* B. O. and Mattie (Thomas) M.; reared on farm. Grad. State Normal, Farmville, Va., 1908; student Univ. Va.

Misner, Edward Gardner, asst. prof. farm manag., Cornell Univ., Ithaca, N. Y.

Instr. farm manag., Cornell Univ., 1914-8; asst prof., 1918–.—*b.* Dairyland, N. Y., Jan. 23, 1891; *s.* Henry and Helen (Blumenauer) M.; reared on farm; *m.* Marion Montrose, Apr. 9, 1914. B.S., Cornell Univ., 1913; Ph.D., 1918.

Mitchell, Benj. H., co. agrl. agt., Mayfield, Ky.

Princ. high-sch., Eddyville, Ky., 1912-4; teach. agr., Pikeville Coll., Ky., 1916.—*b.* Jamestown, Ky., Mar. 1, 1889; *s.* W. T. and Mary E. (McBeath) M.; reared on farm; *m.* Mary Adams, June, 1916; *c.* Jane Adams. B.S.A., Univ. Ky., 1916. Alpha Zeta.

Mitchell, George Andrews, agt. irrig. invests., Bur. Public Roads, U. S. Dept. Agr., Vineland, N. J.

Farmer, 1896–; present position, 1913–. Sec. Pomona Grange Exp. Com. of Cumberland Co., N. J., 1905-8; dem., S. Jersey Dem. Soc., 1908-12. (Sewage irrig. for insts. and small towns).—*b.* Delhi, N. Y., May 10, 1868; *s.* Walter and Rebecca (Andrews) M.; reared on farm; *m.* Daisy L. Gilbert, Sept. 18, 1902; *c.* Gilbert, Mary R., Anna. B.S., Rutgers Coll., 1891; M.S., 1892; S.E., 1919. Phi Beta Kappa.

Mitchell, Harold Hanson, asst. prof. an. nutr., Univ. Ill., Urbana, Ill.

Asst. chem., Ill. Exp. Sta., 1911-3; assoc. an. nutr., 1913-8; present position, 1918–.—*b.* Evanston, Ill., Jan. 22, 1886; *s.* Chas. Page and Clara M. (Hanson) M.; reared in town; *m.* Ethel Opal Kilbury, July 8, 1910; *c.* Donald S., David K., Robt. H., Marguerite E. A.B., Univ. Ill., 1909; M.S., 1913; Ph.D., 1915. Sigma Xi; Phi Lambda Upsilon.

Mitchell, Robert Vincent, prof. and head dept. poultry husb., Wash. State Coll., Pullman, Wash.

Poultryman, Penn. State Coll., 1908-9; asst. poultry husb., 1911-2; asst. poultry husb., Univ. Mo., 1912-3; prof. poultry husb., N. H. A.&M. Coll., 1913-7; prof. poultry husb., Del. Coll., 1917-8; summer of 1918 in war work with Food Research Bur., U. S. Dept. Chem.; present position, 1918–. Sec.-treas., N. H. Poultry Growers Assoc.; dir. All Northwest Egg-Laying Contest.—*b.* Mahaffey, Pa., July 23, 1884; *s.* David Thos. and Margaret A. (Byers) M.; reared on farm; *m.* Charlotte Calvin Cochel, July 29, 1914. B.S., Univ. Mo., 1913.

Moe, George Gordon, asst. prof. agron., Univ. B. C., Vancouver, B. C.

b. Franklin Centre, Que., Oct. 16, 1889; *s.* Wm. J. and Marian S. (Goldie) M.; reared on farm. B.S.A., Macdonald Coll., 1914.

Moffett, Wilbur Kline, co. agrl. agt., S. Boston, Va.

Cow tester, 1916-7; co. agrl. agt., 1917–; farmer, 1918–. (An. husb.).—*b.* Philadelphia, Pa., Nov. 18, 1893; *s.* Robt. H. and Marion (Clegg) M.; reared on farm. Penn. State Coll., 1914-6.

Mohler, Jacob Christian, sec. Kans. State Bd. Agr., Topeka, Kans.

With Kans. State Bd. Agr. since 1893. Chm. Kans. State Ent. Comn.; sec. Kans. Flood & Water Congress; sec. Kans. Council of Defense; mem. State Adv. Bd., U. S. Fuel Adminis.; treas. State Branch Amer. Anti-Saloon League; pres. Capital Live-Stock Insurance Co.; mem. state com., U. S. Food Adminis.; sec. Kans. Agrl. Coun-

cil; dir. Central Trust Co., Topeka. Traveled in Europe.—*b.* Osborne Co. Kans., Apr. 7, 1875; *s.* Martin and Lucina (Hoover) M.; reared on farm; *m.* Ruth McClintock, Oct. 30, 1901; *c.* John McClintock, Jas. Calhoun, Marcia. Educ. Washburn Coll., LL.D., 1914. Gamma Sigma Delta.

Mohler, John Robbins, chief Bur. An. Ind., U. S. Dept. Agr., Washington, D. C.

Practicing vet., 1896-7; asst. insp., Bur. An. Ind., 1897-9; asst. path., 1899-1901; zool., 1901-2; chief path. div., 1902-14; asst. chief of Bur., 1914-7; chief, 1917–. Sec. Intern. Tuberculosis Congress, Vet. Sect., 1908; vice-pres. U. S. Live-Stock Sanitary Assoc., 1909-10; pres. Amer. Vet. Med. Assoc., 1912-3; vice-pres. Intern. Vet. Congress, 1914; pres. Vet. Examining Bd., D. C., 1914-7. *Translator:* Ostertag's Handbook of Meat Inspection, 1904; Edelmann's Meat Hygiene, 1908; Hutyra and Marck's Special Pathology and Therapeutics of Domestic Animals, 1911; Ernst's Milk Hygiene, 1914.—*b.* Philadelphia, Pa., May 9, 1875; *s.* Wm. and Harriet Robbins (Hart) M.; reared on farm and in city; *m.* Clara Moffett Clarke, Dec. 23, 1897; *c.* Wm. Melvin, Miriam Clarke. V.M.D., Univ. Pa., 1896; Med. Dept., Marquette Univ., 1897-9; D.Sc., Ia. State Coll., 1920. Alpha Psi.

Mohler, Robert Ellsworth, prof. agr., McPherson Coll., McPherson, Kans.

Asst. prof. agr., Kans. State Normal Sch., Emporia, summer, 1918.—*b.* Red Cloud, Neb., Mar. 13, 1886; *s.* Edwin and Sarah (Wagoner) M.; reared on farm; *m.* Velma Landis, June 22, 1913; *c.* Elizabeth Ann. A.B., Mt. Morris Coll., Ill., 1912; M.S., Kans. State Agr. Coll., 1916.

Moist, Albert Reynolds, rice farmer, Abbeville, La.

Field manag., Buffalo Creek Farm, Arlington Heights, Ill., 1909; farm supt., Waddington Farm, Elm Grove, W. Va., 1910; general manag., Sheffield Farms, Glendale, O., 1910-4; livestock agt., U. S. Dept. Agr. and La. State Univ., 1914-6.—*b.* Clayton, O., Dec. 7, 1882; *s.* John F. and Sarah E. (Ralston) M.; reared on farm; *m.* Nov. 1917. B.S., Ohio State Univ., 1908. Delta Theta Sigma.

Moles, Hunter Stephen, co. agrl. agt., Aztec, N. Mex.

Traveled in Great Britain, 1910. (Lamb feeding and range sheep production).—*b.* Canon City, Colo., June 17, 1891; *s.* O. S. and Mary L. (Hunter) M.; *m.* Pauline S. Warner, Aug. 7, 1915; *c.* Robt. Hunter. B.S., Colo. Agr. Coll., 1913. Alpha Zeta.

Monahan, Arthur Coleman, specialist rural sch. adminis., Bur. Educ., Washington, D. C.

Asst. princ. high-sch., Amherst, Mass., 4 yrs.; instr., Mass. Agr. Coll., 1 yr.; princ. high-sch., Montague, 2 yrs.; Turner Falls, 3 yrs.; specialist in rural sch. adminis. and agrl. educ., U. S. Bur. Educ., 8 yrs. Major Sanitary Corps, U. S. Army, on Re-education of Disabled Soldiers for Surgeon Generals Off., 1 yr.; chief educ. and recreation officer, Walter Reed General Hospital, 1919–.—*b.* Framingham, Mass., Mar. 24, 1876; *s.* Michael and Johanna (Coleman) M.; reared on farm; *m.* Mary Emma Cody, June 30, 1904; *c.* Esther, Paul, Wm., John. B.S., Mass. Agr. Coll., 1900.

Monahan, William Collins, ext. poultry specialist, Mass. Agr. Coll., Amherst, Mass.

Ext. poultry specialist, Univ. Me., 1914-7; specialist in poultry handling, U. S. Dept. Agr., 1917-8; present position, 1918–.—*b.* Framingham, Mass., Apr. 26, 1889; *s.* Michael Frances and Johanna (Coleman) M.; reared on farm; *m.* Esther H. Ralston, Oct. 7, 1915; *c.* Ruth Elizabeth. B.S., Univ. Me.

Monohon, Paul Wheeler, state dir. voc. educ., State Dept. Educ., Augusta, Me.

Asst. to dir., Me. Agr. Ext. Serv., 1914-5; asst. co. agt. leader, 1915-8; co. agt. leader, 1918-9; present position, 1920–.—*b.* Biddeford, Me., Aug. 1, 1890; *s.* Geo. and Sarah (Patten) M.; reared on farm. B.S., Univ. Me., 1914. Phi Kappa Sigma; Alpha Zeta.

Monroe, Charley Fraser, dir. ext., N. Mex. A. & M. Coll., State College, N. Mex.

Grad. student and asst. an. husb., Wash. State Coll., 1911; instr. an. husb., 1911-2; asst. prof., 1912-4; assoc. prof., 1914-5; co. agt., Montesano, 1915-8;

asst. co. agt. leader, Wash. State Coll., 1918-9; co. agt. leader, N. Mex. A. & M. Coll., 1919; dir. ext., 1919–. (An. husb.).—*b.* Butler Co., Ia., Nov. 18, 1884; *s.* John and Clara (Glenn) M.; reared on farm; *m.* Gladys Grubbe, June 16, 1914. B.S.A., Ia. State Coll., 1908. Alpha Tau Omega.

Monroe, John Fisher, co. agrl. agt., Warsaw, Va.
Asst. hort., Ga. Exp. Sta., 1906-7; lect. hort., MacDonald Coll., 1909-10; prof. veg. culture, Md. State Coll., 1912-4.—*b.* Southend, Ont., May 16, 1882; *s.* John W. and Jane (Fisher) M.; reared on farm; *m.* Lucia B. Starnes, June 5, 1907; *c.* Lucia B., May McI., Eleanor N. B.S.A., Ont. Agr. Coll., 1909.

Monroe, Merle Orion, co. agrl. agt., Blackfoot, Ida.
Instr. and dir. exptl. farm, high-sch., Toppenish, Wash., 1915-7; agt. Bingham Co., Ida., 1917–. *Ed.*, Toppenish Tribune, Wash., 1917.—*b.* Gratiot, O., Aug. 7, 1890; *s.* Levi Grant and Sarah Estella (Kreager) M.; reared on farm; *m.* Belva Lockwood Burcham, June 14, 1912. B.S.A., Wash. State Coll., 1915. Alpha Zeta; Kappa Sigma; Theta Nu Epsilon.

Montgomery, Cephas Abram, co. agrl. agt., Culpeper, Va.
b. Wirtz, Va., June 1, 1889; *s.* Chas. Wm. and Elizabeth (Flora) M.; reared on farm. A.B., Va. Christian Coll., 1914; B.S.A., Va. Poly. Inst., 1916.

Montgomery, Edward Gerrard, prof. farm crops, Cornell Univ., Ithaca, N. Y.
Prof. expl. agron., Univ. Neb., 1906-11; present position, 1912–. *Auth.*: (with T. L. Lyon) Examining and Grading Grains, 1906; Corn Crops, 1912; Productive Farm Crops, 1916. (Cereals, pasture manag.).—*b.* Milan, Mo., May 10, 1878; *s.* R. S. and Elizabeth (Mooney) M.; *m.* Ruth Bell, June 18, 1898. B.S., Univ. Neb., 1906; A.M., 1909. Sigma Xi; Alpha Zeta.

Montgomery, John Theodore, co. agrl. agt., Cambridge, Ill.
Farmer, Ind., 1909-17; manag. Murdock Farms Co., 1915-7.—*b.* Rochester, Ind., Feb. 26, 1878; *s.* Francis C. and Elizabeth (Ellis) M.; reared on farm; *m.* Colleen Urmston, July 16, 1898; *c.* Kathryn E., John Frank. B.S., Purdue Univ. Alpha Zeta; Acacia.

Montgomery, Joseph Shaw, supt. livestock, Clinton Falls Nursery Co., Owatonna, Minn.
Agt., Bur. An. Ind., U. S. Dept. Agr., 1907-8; asst. an. husb., Estacron Cent. Agronomica de Cuba, 1908-9; asst., prof. an. husb., Univ. Minn., 1911-8; assoc. prof., 1918. Vice-pres. Nat. Assoc. of Stallion Reg. Bds.; exec. officer Minn. Stallion Reg. Bd.; pres. Minn. Cattle Breeders Assoc.; dir. Minn. Hereford Breeders Assoc.; dir. Steele Co. Farm Bur. (Horses, beef cattle).—*b.* Chase Co., Kans., Dec. 1, 1885; *s.* P. D. and Sarah J. (Brooks) M.; reared on farm; *m.* Grace E. Leuszler, Sept. 20, 1911; *c.* Margaret, Robt Dudley, Joseph Brooks, Andrew L. B.S.A., Kans. State Agr. Coll., 1907.

Montgomery, Lewis Marion, prof. hort., Ohio State Univ., Columbus, O.
Asst. prof. hort. and bot., Okla. A. & M. Coll., 1908-9; asst. prof. hort., Ohio State Univ., 1910-4; prof., 1914–. Sec. O. Veg. Growers Assoc., 1916–; sec. Columbus Hort. Soc., 1913-7. (Veg. gard.).—*b.* Assumption, Ill., Apr. 9, 1877; *s.* Wm. A. and Mary Ann (McKinnie) M.; reared on farm; *m.* Anna L. Thayer, June 16, 1908; *c.* Emily Frances, Marietta Ruth. B.S., Colo. Agr. Coll., 1907; M.S., Ohio State Univ., 1910.

Montillon, Eugene Davis, asst. prof. lands. design, Cornell Univ., Ithaca, N. Y.
Instr. lands. design, Cornell Univ., 1912-7; asst. prof., 1917–.—*b.* Buffalo, N. Y., Oct. 18, 1883; *s.* Geo. Frederick and Abbie M. (Davis) M.; reared in city and country; *m.* Clara Muriel Briggs, June 16, 1917. B.Arch., Cornell Univ., 1912.

Mooers, Charles Ansel, chem., agron., and asst. dir. Tenn. Exp. Sta., Knoxville, Tenn.
Asst. chem., Tenn. Exp. Sta., 1893-8; chem., N. La. Sta., 1898-9; chem., Tenn. Exp. Sta., 1899-1905; asst. prof. agrl. chem. and agron. and chem. Exp. Sta., Univ. Tenn., 1905-7; prof., 1907-11; chem. and agron., 1911-9; present

position, 1919–. *Asst. ed.*, Journal of Amer. Soc. of Agron.; consulting ed. Soil Science.—*b.* Solon, Me., Dec. 8, 1869; *s.* Jas. H. and Ellen C. (Tobey) M.; reared on farm and in town; *m.* Gertrude Broome, June 23, 1896; *c.* Geo. Ansel. B.S., Univ. Tenn., 1893.

Moon, Henry T., nurseryman and farmer, Morrisville, Pa.

Treas. and general manag., Wm. H. Moon Co. Mem. Pa. State Agrl. Comn., 4 yrs.—*b.* Morrisville, Pa., Dec. 21, 1879; *s.* Wm. H. and Ellen M. (Taylor) M.; reared on farm; *m.* Julia French Haines; *c.* Howard Haines, Wm. H. 2d, Henry T. Jr. Student Cornell Univ., winter, 1900.

Moon, James Edward, nurseryman, Morrisville, Pa.

Sec. Wm. H. Moon Co. Pres. Amer. Assoc. Nurserymen. (Ornamental hort.). —*b.* Morrisville, Pa., Mar. 22, 1883; *s.* Wm. H. and Ellen (Taylor) M.; reared in country; *m.* Mary P. Brown, 1907.

Moore, Fred F., co. agrl. agt., Wheaton, Minn.

Manag. Hines Farm, Olivia, Minn., 1 yr.; manag. Homestead Farming Co., Cavalier, N. D., 1 yr. Capt. Infantry, U. S. Army, 1918-20; received D. S. O. and Croix de Guerre.—*b.* Stewart, Minn., June 20, 1888; *s.* Willis D. and Carrie M. (Olsen) M.; reared on farm. B.S.A., Univ. Minn., 1914.

Moore, James Garfield, prof. hort., Univ. Wis., Madison, Wis.

Instr. hort., Univ. Wis., 1905-7; asst. prof., 1907-10; assoc. prof., 1910-6; prof., 1916–. *Revisor:* (with L. R. Jones) Goff's Principles of Plant Culture, 1916. (Pom.).—*b.* Shepherd, Mich., Oct. 22, 1881; *s.* Jas. W. and Mary E. (McCauley) M.; reared on farm; *m.* M. Josephine Hibbard, Oct. 15, 1910; *c.* Elizabeth Adelle, Josephine Louise. B.S., Mich. Agr. Coll., 1903; M.S., 1905; M. Hort., 1909. Alpha Zeta.

Moore, L. R., co. agrl. agt., Perry, Fla.

Teach. public schs., 1901-12. Sec. Taylor Co. Live-Stock Assoc.—*b.* Ala., Oct. 6, 1881; *s.* J. R. and Sadie (Herring) M.; reared in town; *m.* Mary Pitman, 1902; *c.* Howard.

Moore, Merton, co. agrl. agt., Shawano, Wis.

Manag. truck farm, 1913–; asst. manag., A. Sherman Lumber Co. farm, N. Y., 1914–; herdsman, 1915–; prof. sci., Shawano high-sch., 1916; co. agt., 1917–. Sec. Shawano Co. Potato Growers Assoc., 1917; sec. Wis. Order Exp. Sta., Shawano Co., 1918.—*b.* Potsdam, N. Y., May 28, 1892; *s.* Frank W. and Jessie C. (Crane) M.; reared in town. B.S., Univ. Wis., 1916. Delta Upsilon; Alpha Zeta.

Moore, Milton Donaldson, co. agrl. agt., Laurens, S. C.

General farmer, Greenville Co., S. C., 1900–. Ed. an. husb. and dairying, Exp. Sta. Record, 1911-8.—*b.* Greenville Co., S. C., Sept. 17, 1879; *s.* Wm. S. and Frances E. (Henderson) M.; reared on farm; *m.* Margaret J. Van Vleck, Mar. 27, 1903; *c.* M. Jessie, Minnie A., Amy B., Milton D. Jr. A.B., Geo. Washington Univ., 1913; M.S., Univ. Wis., 1917.

Moore, Otis Henry, rural leadership, Cornell Coll., Mt. Vernon, Ia.

Pastor country churches, 7 yrs. Sec. Hartford Co. League, 1917-8.—*b.* Sibley, Ia., Aug. 27, 1881; *s.* Wallace M. and Mary H. (Tipple) M.; reared in village; *m.* Alice Rigby, June 20, 1911; *c.* Alice Fellows, Mary Ellen, Richard Wallace. A.B., Cornell Coll., 1905; student Columbia Univ., 1906-7; Boston Univ. Sch. Theol., 3 yrs.

Moore, Ransom Asa, prof. agron., Univ. Wis., Madison, Wis.

Teach. rural schs., 1882-8; princ. graded schs., 1888-90; co. supt. schs., 1890-5; from asst. to prof. agron., Univ. Wis., 1895–. Sec. Wis. Exp. Assoc., 1901–.—*b.* Kewaunee, Wis., June 5, 1861; *s.* Seth and Johanna (Werner) M.; reared on farm; *m.* Nettie Rogers, July 17, 1889; *c.* Geo. E. Alpha Zeta.

Moore, Veranus Alva, dir. and dean, N. Y. State Vet. Coll., Cornell Univ., Ithaca, N. Y.

With Bur. An. Ind., U. S. Dept. Agr., 1887-96; prof. comp. path., bact. and meat insp., Cornell Univ., 1896–; dean and dir., State Vet. Coll., 1908–; mem. Intern. Tuberculosis Comn.; State Tuberculosis Comn. of N. Y. Del. Intern. Vet. Congress, Budapest, 1905. *Auth.:*

Laboratory Directions for Beginners in Bacteriology, 1900; Principles of Microbiology, 1912; Bovine Tuberculosis and Its Control, 1913; Pathology and Differential Diagnosis of Infectious Diseases of Animals, 4th ed., 1916.—*b.* Houndsfield, N. Y., Apr. 13, 1859; *s.* Alva and Antoinette Elizabeth (Eastman) M.; reared on farm; *m.* Mary L. Slawson, July 12, 1892; *c.* Erwin V., Mary E., Norman S. B.S., Cornell Univ., 1887; M.D., Columbian (now Geo. Washington) Univ., 1890; V.M.D., Univ. Penn., 1911; D.Sc., Syracuse Univ., 1919. Nu Sigma Nu.

Moore, William, assoc. prof. ent., Univ. Minn., University Farm, St. Paul, Minn.
Asst. bot., Cornell Univ., 1909-10; lect. ent. and zool., Sch. Agr., Potchefstrom, S. Africa, 1910-3; present position, 1913–. Invest. methods of control for clothes louse, Nat. Research Council. *Auth.:* South African Insects Injurious to Man and Domesticated Animals, 1912. (Insecticides).—*b.* Phoenixville, Pa., Jan. 29, 1887; *s.* Joseph and Sarah (Bell) M.; reared in town; *m.* Mary E. Behney, Mar. 11, 1910; *c.* Wm. A., Joseph B., Richard C. A.B., Ursinus Coll., 1907.

Moorhouse, Harold William, dean of commerce and marketing and prof. econ. and marketing, Okla. A. & M. Coll., Stillwater, Okla.
Farmer, Imperial Co., Calif., 1906-13; prof. econ. and marketing, Okla. A. & M. Coll., 1913–; dean commerce and marketing, 1914–. Mem. Calif. Legislature, 1911-3; mem. Okla. State Market Comn., 1917-8.—*b.* Breckenridge, Mo., Jan. 19, 1884; *s.* Robt. C. and Alcedena (Pease) M.; reared in town; *m.* Lucile Dillon, Aug. 8, 1917. A.B., Beloit Coll., 1906. Sigma Chi.

Moran, James Sterling, dir. Rural Serv., Community Motion Picture Bur., 46 W. 24th St., New York, N. Y.
Teach. public schs., Va., 1901-6; Y. M. C. A. sec., Shenandoah Co., Va. and Addison Co., Vt., 1906-13; field asst. in rural organization, U. S. Dept. Agr., 1913-7; invest. state, co. and community fairs, 1915-7. *Auth.:* The Community Fair.—*b.* Ashburn, Va., Dec. 14, 1879; *s.* Jas. T. and Margaret (Bodine) M.; reared on farm; *m.* Nellie D. Bryant, Nov. 26, 1902; *c.* Alvin C., Jas. S., Elbert M., Paul W. Middlebury Coll., 1911.

Morbeck, George C., assoc. prof. for., Ia. State Coll., Ames, Ia.
Asst. prof. for., Ia. State Coll., 1912-4; assoc. prof., 1914–. Rep. in Ida. Legislature, 1909-11.—*b.* Ingalls, Mich., Nov. 8, 1883; *s.* Chas. T. and Constance C. (Anderson) M.; reared in small town; *m.* Mary C. Olson, Aug. 19, 1912; *c.* Dorothy Marion. B.S., Mich. Agr. Coll., 1904; M.F., 1915. Alpha Zeta.

More, Carrol Tallman, specialist in market grades and standards, Bur. Markets, U. S. Dept. Agr., Washington, D. C.
In wholesale fruit and produce business, Denver, Colo., 8 yrs.; with Grand Junction (Colo.) Fruit Growers Assoc., 6 yrs.—*b.* Wayne Co., Pa., May 10, 1881; *s.* Addis Emmet and Eudalia J. (Tallman) M.; reared on farm and in city; *m.* Mary Edithe Gullette, July 2, 1907; *c.* Marjorie D., Carrol K., Dorothy Elaine.

Morey, Frank Rudolph, co. voc. superv. agr., Chester Co., 11 S. Church St., West Chester, Pa.
Second Lieut. Infantry, U. S. Army, 1918.—*b.* York, Pa., July 28, 1895; *s.* Frederick A. and Emma K. (Hamme) M.; reared in city. B.S., Penn. State Coll., 1918. Alpha Zeta.

Morgan, Agnes Fay, asst. prof. household sci., Univ. Calif., Berkeley, Calif.
Instr. chem., Univ. Wash., 1910-3; present position, 1915–.—*b.* Peoria, Ill., May 4, 1884; *d.* P. J. and Mary (Dooley) Fay; reared in city; *m.* Arthur I. Morgan, May 17, 1908. B.S., Univ. Chicago, 1904; M.S., 1905; Ph.D., 1914. Phi Beta Kappa; Sigma Xi.

Morgan, Alfred Cockman, ent. southern field crop insect invests., U. S. Bur. Ent., Clarksville, Tenn.
(Thysanoptera, tobacco insects).—*b.* near Seaford, Del., Jan. 19, 1876; *s.* Isaac J. and Rajinia (Cannon) M.; reared on farm; *m.* Stella R. Thayer, Dec. 18, 1906. B.S.A., Cornell Univ., 1904.

Morgan, Charles Lee, asst. prof. an. husb., Clemson Agr. Coll., Clemson College, S. C.

Emergency agrl. dem. agt., 1918. 2d Lieut., Q. M. C., U. S. Army, 1918.—*b.* Sirocco, Ky., Jan. 25, 1893; *s.* C. H. and Althea (Wiles) M.; reared on farm. B.S.A., Univ. Ky., 1918. Alpha Zeta.

Morgan, David Naffziger, supt. San Joaquin Valley Farm Lands Co. and affiliated companies, San Joaquin, Calif.

Instr. agr., Imperial high-sch., 1909-10; head agrl. dept., Stockton high-sch., 1910-1; farming, Imperial Valley, 1911-3; assoc. prof. agr., asst. to dir. and sec. Coll. Agr., 1913-8; acting dean and dir., Nov. and Dec., 1917; present position, 1918–. Sec. State Comn. on Land Colonization and Rural Credits, 1916-7; sec. State Land Settlement Bd., 1917; sec. Imperial Valley Dairymens Assoc., 1910; Imperial Farmers Commercial Assoc., 1912; Imperial Co. Live-Stock Assoc., 1911-2.—*b.* Nevada City, Calif., Dec. 9, 1886; *s.* David Eddy and Helen Gertrude (Naffziger) M.; reared in rural town; *m.* Georgia Holt Strohmeier, Dec. 18, 1912; *c.* Helen Jane. B.S., Univ. Calif., 1909. Theta Delta Chi; Alpha Zeta.

Morgan, Ezra Leonidas, dir. Rural Serv., Amer. Red Cross, Washington, D. C.

Chm. rural sect., Nat. Community Center Assoc.; exec. sec. Mass. Fed. for Rural Progress; formerly ext. prof. community organization, Mass. Agr. Coll.—*b.* Bone Gap, Ill., Aug. 22, 1879; *s.* Allen T. and Rosina A. (Smith) M.; reared on farm; *m.* Mary F. Flint, 1906; *c.* Elizabeth, Esther, Mary. A.B., McKendree Coll., Lebanon, Ill., 1904; A.M., Univ. Wis., 1912.

Morgan, Geoffrey, sec. Ky. Farm Bur. Fed., Lexington, Ky.

Stock farmer, Madison Co., Ky., 1898-1913; agrl. agt., Christian Co., 1913-4; distr. agrl. agt., 1915; state agt., 1916-8; asst. dir. ext., 1919-20; present position, 1920–.—*b.* Stafford, England, July 31, 1877 (naturalized 1915); *s.* John and Cecil Maria (Waddell) M.; reared in city; *m.* Sara Embry White, Nov. 1905; *c.* Geoffrey Jr., John White.

Morgan, George Walter, supt. N. Mont. Exp. Sta., Havre, Mont.

Forage crop invest., U. S. Dept. Agr., Akron, Colo., 1912; chg. dry-land agr. invests., Huntley, Mont., 1913-5; present position, 1915–.—*b.* Jarbalo, Kans., Feb. 10, 1885; *s.* Lyman J. and Jennie E. (Denholm) M.; reared on farm. B.S., Mont. State Coll., 1912.

Morgan, Harcourt Alexander, pres. Univ. Tenn., Knoxville, Tenn.

Prof. ent. and hort., La. State Univ., 1889-93; prof. zool. and ent., 1893-4; ent., La. Exp. Sta., 1889-1904; ent. and sec. La. Crop Pest Com., 1904-5; dir. Gulf Biol. Sta., 1899-1905; dean Coll. Agr. and dir. Exp. Sta., prof. zool. and ent., Univ. Tenn., 1905-19; present position, 1919–. Fellow A. A. A. S. Pres. Assoc. Econ. Ent., 1907. Mem. Amer. Comn. for Study Rural Credits and Coop. in Europe, 1913.—*b.* Kerrwood, Ont., Aug. 31, 1867 (naturalized 1891); *s.* John and Rebecca (Trueman) M.; reared on farm; *m.* Sara Elizabeth Fay, June 25, 1895; *c.* Edwa Fay, John Elmore, Lucy Shields, Harcourt Alexander. Assoc. Ont. Agr. Coll., 1887; B.S.A., Univ. Toronto, 1889; grad. student, Cornell Univ., 1892, 1898.

Morgan, James Oscar, prof. agron., Tex. A. & M. Coll., College Station, Tex.

Asst. expl. agron., Cornell Univ., 1908-9; prof. agron., Miss. A. & M. Coll., 1909-12; present position, 1912–. *Auth.:* Field Crops for the Cotton-Belt, 1917.—*b.* Etowah, N. C., May 8, 1880; *s.* Jas. Wilson and Orrie (Osgood) M.; reared on farm; *m.* Mildred Washington Minor, June 1, 1911; *c.* Lucian Minor, Jas. O. Jr. B.Agr., N. C. A. & M. Coll., 1905; M.S.A., Cornell Univ., 1908; Ph.D., 1909. Sigma Xi; Alpha Zeta.

Morgan, Joy Elmer, asst. sec., Amer. Library Assoc., 78 E. Washington St., Chicago, Ill.

Princ. sch., University Place, Neb., 1910-1; supt. sch., Bloomington, Neb., 1911-3; supt. sch., Guide Rock, Neb., 1913-7; camp librarian, Camp MacArthur, Waco, Tex., 1917-8; asst., Library War Serv., Washington, 1919. (Rural library serv.).—*b.* Calloway, Neb., Dec. 11, 1889; *s.* Wesley and Jennie (Nelson) M.; reared on farm; *m.* Frances Willard Blake, June 14, 1912. A.B., Univ. Neb., 1917; B.L.S., N. Y. State Library Sch., 1920. Phi Delta Kappa.

Morgan, Ora Sherman, prof. agr., Columbia Univ., New York, N. Y.

Dir. N. Y. State Sch. Agr., Alfred Univ., 1908-12; present position, 1911–. Traveled in Europe, 1910. Mem. food problem com. of Merchants Assoc. of N. Y.; agrl. adv. Distr. (Draft) Bd. of City of N. Y.—*b.* Hampshire, Ill., Aug. 11, 1877; *s.* Lyman Delos and Elizabeth Ann (Helmar) M.; reared on farm; *m.* Rose LeVille Huff, Oct. 4, 1908. A.B., Univ. Ill., 1905; M.S.A., Cornell Univ., 1907; Ph.D., 1909. Sigma Xi; Gamma Alpha.

Morman, James Bale, asst. sec., Fed. Farm Loan Bd., Kensington, Md.

Poultry-breeder and gardener, Md., 1904–. Mem. from Md., Amer. Comn. for Study Rural Credits in Europe, 1913. *Auth.:* Principles of Social Progress, 1900; The Principles of Rural Credits, 1915; The Place of Agriculture in Reconstruction, 1919.—*b.* Ilfracombe, England, July 7, 1868 (naturalized 1899); *s.* Thos. and Anne (Bale) M.; reared in country; *m.* Harriet Janette Cogswell, Nov. 1, 1897. A.B., Univ. Rochester, 1890; A.M., 1900. Phi Beta Kappa; Delta Upsilon.

Morrey, Charles Bradfield, prof. bact., Ohio State Univ., Columbus, O.

Asst. Latin, Ohio State Univ., 1890-1; asst. Latin and physiology, 1891-2; asst. physiology, 1892-7; asst. prof., 1899-1902; assoc. prof., 1902-3; prof. physiology, Starling Med. Coll., 1899-1904; acting prof. chem., 1896-7; present position, 1904–. Del. to Intern. Congress on Tuberculosis, Washington, 1908. Traveled and studied in Europe, 3 yrs. *Auth.:* Laboratory Exercises in General Bacteriology; Fundamentals of Bacteriology.—*b.* Chesterhill, O., Nov. 5, 1869; *s.* John C. and Mary J. (Wright) M.; reared in small town; *m.* Grace Hamilton Jones, 1898; *c.* Marion, Jessie, Chas. B. Jr. B.A., Ohio State Univ., 1890; M.D., Starling Med. Coll., 1896. Sigma Xi.

Morrill, Austin Winfield, consulting ent., 5232 Granada St., Los Angeles, Calif.

Special field agt., Bur. Ent., U. S. Dept. Agr., 1903-9; cotton insect invests., 1903-6; chg. citrus white fly invests., Fla., 1906-9; state ent., Ariz. and consulting ent., Ariz. Exp. Sta., 1909-19. Fellow A. A. A. S. Inventor tent dosage system for citrus orchard fumigation.—*b.* Tewksbury, Mass., Sept. 11, 1880; *s.* Jas. and Elvira (Webster) M.; reared on farm; *m.* Florence Hall McCormick, Apr. 29, 1908 (d. 1916); 2nd, Helen Armstrong, Dec. 24, 1919; *c.* Austin W. Jr. B.Sc., Mass. Agr. Coll. and Boston Univ., 1900; Ph.D., 1903. Phi Sigma Kappa.

Morrill, Walter Jean, prof. for. and state for., Colo. Agr. Coll., Fort Collins, Colo.

With U. S. For. Serv., chiefly in Colo., 1905-12; prof. for., Univ. Neb., 1912-4; present position, 1914–. Pres. Colo. For. Assoc., 1916–.—*b.* Madison, Me., Apr. 17, 1875; *s.* Cyrus D. and Clara Maria (Flint) M.; reared in small town; *m.* Katharine C. Stone, Sept. 18, 1907. B.S., Univ. Me., 1899; M.F., Yale For. Sch., 1905. Kappa Sigma.

Morris, Harry, bact. and asst. vet., La. Exp. Sta., Baton Rouge, La.

b. Bloomingburg, O., Sept. 17, 1881; *s.* Wm. W. and Theresa Jane (Morton) M.; reared on farm; *m.* Clara Agnes Stuart, June 30, 1915; *c.* Harry Stuart. D.V.M., Ohio State Univ., 1910.

Morris, Oliver S., ed. and writer, Star Bldg., Minneapolis, Minn.

Ed., Nonpartisan Leader and in editorial chg. Nonpartisan League state newspapers in N. D., S. D., Minn., Neb., Colo., Mont., and Ida.—*b.* Chicago, Ill., Apr. 19, 1885; *s.* Llewellyn B. and Etta A. S. (Scott) M.; *m.* Gertrude A. Arnold, 1910; *c.* Roland A., Oliver S. Jr.

Morris, Oscar Matison, prof. hort. and head dept., Wash. State Coll., Pullman, Wash.

Asst. hort., Okla. A. & M. Coll., 1898-1901; prof. hort., 1902-8; prof. bot. and hort., 1909-10; asst. prof. hort., Wash. State Coll., 1910-1; prof., 1911–. Tree-fruits and cover-crop manag.).—*b.* Highland, Kans., June 26, 1874; *s.* S. E. and Clarissa A. (McCulloch) M.; reared on farm; *m.* Leona Jane Hall, July 11, 1901; *c.* Howard V., Wm. E. B.S., Okla. A. & M. Coll., 1896; M.S., Wash. State Coll., 1915. Alpha Zeta.

Morris, William Earl, asst. co. agt. leader, Univ. Minn., University Farm, St. Paul, Minn.

b. Ridgway, Wis., Dec. 23, 1886; *s.* David J. and Clara (Theobald) M.; reared on farm. B.S.A., Univ. Wis., 1909. Acacia.

Morrison, Frank Barron, prof. an. husb. and asst. dir. Exp. Sta., Univ. Wis., Madison, Wis.

Asst. agrl. chem., Univ. Wis., 1911-2; instr., 1912-4; asst. prof. an. husb., 1914-7; assoc. prof., 1917-9; prof., 1919–. Asst. dir. Exp. Sta., 1915–. *Auth.:* (with W. A. Henry) Feeds and Feeding, 18th ed., 1920; Feeds and Feeding, Abridged, 1917.—*b.* Ft. Atkinson, Wis., May 19, 1887; *s.* Chas. Irving and Harriet (Barron) M.; reared on farm; *m.* Elsie Rea Bullard, Nov. 24, 1910; *c.* Roger Barron, Spencer Horton. B.S., Univ. Wis., 1911. Sigma Xi; Alpha Zeta; Phi Lambda Upsilon; Phi Sigma Kappa.

Morrison, George Leo, state co. agt. leader, Univ. Nev., Reno, Nev.

Agron., Exp. Sta., Argentina, 1913-5; agrl. agt., Fremont Co., Ida., 1916; asst. co. agt. leader, Univ. Ida., 1917-8; present position, 1918–.—*b.* Franklin, Ida., May 9, 1884; *s.* Joseph and Luey (Henson) M.; reared on farm; *m.* Andrea Holmgren, June 9, 1915; *c.* Ruth. B.S., Utah Agr. Coll., 1911.

Morrison, Guy Edward, instr. agr. and manual training, high-sch., Springview, Neb.

Agrl. ext. work, S. D., 1913-9; present position, 1919–. (Live-stock).—*b.* De Smet, S. D., Feb. 27, 1886; *s.* Edward Abraham and Jennie Amelia (Miner) M.; reared in town and on farm; *m.* Eva May Evans, Dec. 26, 1914; *c.* Robt. Evans. B.S., S. D. State Coll., 1913.

Morrison, Russell V., teach. agr., high-sch., Arcadia, Okla.

Asst. boys' club agt., Okla. A. & M. Coll., 1918-9; present position, 1919–. 2d Lieut. Infantry, U. S. Army, 1918-9. (An. husb.).—*b.* Dallas, Tex., May 26, 1894; *s.* Warren Pierce and Sarah Elizabeth (Millschlagle) M.; reared in town; *m.* Lorena Appleby, Aug. 16, 1919. B.S., Kans. State Agr. Coll., 1918.

Morrow, Clarence Austin, asst. prof. agrl. biochem., Univ. Minn., University Farm, St. Paul, Minn.

Asst. chem., Oberlin Coll., 1906-8; head dept. chem. and physics, Doane Coll., 1909-10; Harrison scholar in chem., Univ. Penn., 1910-1; prof. and head dept. chem., Neb. Wesleyan Univ., 1911-7; grad. student and asst. soils, Univ. Minn., 1914-5; present position, 1917–.—*b.* near Morrow, O., Feb. 11, 1881; *s.* Morris and Alice C. (Austin) M.; reared on farm. B.Sc., Ohio Wesleyan Univ., 1906; A.M., Oberlin Coll., 1909; Ph.D., Univ. Minn., 1918. Sigma Xi.

Morrow, James Everett, supt. U. S. Plant Introduction Field Sta., Rockville, Md.

Hort., Butte Co., Calif., 9 yrs.; gardener, Plant Introduction Field Sta., Chico, Calif., 5 yrs.; supt. U. S. Plant Introduction Field Sta., Brooksville, Fla., 2½ yrs.—*b.* Meridian, Calif., Oct. 27, 1877; *s.* B. F. and Mary J. (Compton) M.; reared on farm; *m.* Grace Louise Jesser, Oct. 27, 1901. Grad. Healds Coll., San Francisco, 1900.

Morse, Charles Kennedy, supt. Neb. Sch. Agr. of Univ. Neb., Curtis, Neb.

1st Lieut. and Capt. Infantry, U. S. Army; served with A. E. F.—*b.* Nebraska City, Neb., Apr. 2, 1888; *s.* Samuel Francis Smith and Mary Elizabeth (Kennedy) M.; reared in city; *m.* Jean Elizabeth McGahey. A.B., Univ. Neb., 1914. Phi Delta Kappa; Acacia.

Morse, Fred Winslow, research chem., Mass. Exp. Sta., Amherst, Mass.

Asst. chem., Mass. Exp. Sta., 1887-8; chem. and vice-dir., N. H. Exp. Sta., 1888-1909; instr. to prof. organic chem., N. H. A. & M. Coll., 1889-1909; chem., Mass. Exp. Sta., 1910–; acting dir., 1912-3, 1918-20. Fellow A. A. A. S.—*b.* Berlin, Mass., Dec. 6, 1865; *s.* Winslow B. and Eugenia S. (Carter) M.; reared on farm; *m.* Lelia L. White, Oct. 29, 1891; *c.* Fred Winslow, Ellen Hastings. B.S., Worcester Poly. Inst., 1887; M.S., 1900. Phi Kappa Phi.

Morse, Harry Clarence, co. agrl. agt., Gloversville, N. Y.

Asst. agt. Chautauqua Co., N. Y., 1915; asst. agt. Oneida Co., 1916-8; agt. Fulton Co., 1918–.—*b.* Sheridan, N. Y., Dec. 20, 1888; *s.* Geo. E. and Nettie E. (Stebbins) M.; reared on

farm; *m.* Emma E. Mandeville, June 8, 1916; *c.* Sanford M. B.S., Cornell Univ., 1915.

Morse, Hermann N., minister, asst. church and country-life work, Presbyterian Bd. of Home Missions, 156 Fifth Ave., and assoc. dir. Rural Church Div., Intern. Church World Movement of N. Amer., 45 W. 18th St., New York, N. Y.

Teach. rural sociol., summer sch., Auburn Theol. Sem., 1916–; lect. on country church, Union Theol. Sem., 1917-8; asst. rural educ., Teach. Coll., Columbia Univ., 1917-8. (Rural sociol.). —*b.* Ludington, Mich., Sept. 29, 1887; *s.* Hermann N. and Sarah E. (Smith) M.; reared in small town; *m.* Florence Vorpe, June 28, 1913; *c.* Sarah Frances, Warren Wilson. A.B., Alma Coll., 1908; Union Theol. Sem., 1911.

Morse, John Jacob Frederick, asst. in marketing fruits and vegetables, Bur. Markets, U. S. Dept. Agr., Washington, D. C.; 1892-Nov. 26, 1918. See Rus 1918.

Morse, Stanley Fletcher, consulting agrl. engin., Hibernia Bldg., New Orleans, La.

Asst. field manag., cotton plantation, Tlahualilo, Mex., 1906-7; farming, Mass., Me. and N. Y., 1907-8; asst. manag. ed., The Country Gentleman, 1908-10; agrst., Nat. Railways of Mex. and Mex. Express Co., 1910-1; farmer and consulting agrst., New England, Middle West and South, 1911-3; prof. agr., Univ. Ariz., 1913-4; dir. agrl. ext., 1914-6; state leader co. agts., U. S. Dept. Agr., 1915-6; consulting agrl. engineer in South and Latin Amer., 1916–. (Farm business methods).—*b.* Watertown, Mass., Sept. 15, 1884; *s.* Harry Fletcher and Emma (Bean) M.; reared in town; *m.* Elizabeth Fenn Leonard, June 1, 1910; *c.* S. F. Jr. B.A.S., Harvard Univ., 1906.

Morse, Warner Jackson, plant path., Me. Exp. Sta., Orono, Me.

Teach. nat. sci., Montpelier Sem., 1899-1901; instr. bot., Univ. Vt., 1901-5; asst. prof. bact., 1905-6; asst. bot., Vt. Exp. Sta., 1901-6; present position, 1906–. Fellow A. A. A. S. (Potato and bacterial diseases).—*b.* Waterbury, Vt., Oct. 30, 1872; *s.* Daniel Jackson and Jane (McKee) M.; reared on farm; *m.* Mary Almira Leland, July 6, 1898; *c.* Ruth Esther. B.S., Univ. Vt., 1898; M.S., 1903; Ph.D., Univ. Wis., 1912. Sigma Xi; Phi Kappa Phi; Alpha Zeta; Kappa Sigma.

Mortensen, Martin, prof. dairying, Ia. State Coll., Ames, Ia.

Supt. manufacturing, Hanfora Hazelwood Creamery Co., Sioux City, Ia., 5 yrs.; manag. Hazelwood Creamery Co., Portland, Ore., 5 yrs.; assoc. prof. dairying, Ia. State Coll., 1909-10; prof., 1910–. Studied dairying in Great Britain and Denmark as rep. U. S. Dept. Agr., 1900; sent by Ia. State Coll. to Great Britain, Holland, Denmark, 1914. Mem. The Danish Royal Agr. Soc.—*b.* Denmark, May 29, 1872 (naturalized 1900); *s.* Peder Chr. and Juliana Marie (Larsen) M.; reared on farm; *m.* Emelia Christensen, Nov. 10, 1900; *c.* Marie, Edna. B.S.A., Ia. State Coll., 1909. Phi Kappa Phi; Phi Lambda Upsilon; Gamma Sigma Delta.

Morton, George Edwin, prof. an. husb. and head dept., Colo. Agr. Coll., Ft. Collins, Colo.

Asst. an. husb., Univ. Wyo., 1904-7; prof. an. husb., Colo. Agr. Coll., 1907-9; head dept., 1909–. State dairy comnr. for Colo., 1913–. Official judge for Holstein-Friesian Assoc. of Amer.; Amer. Shorthorn Breeders Assoc.; Amer. Jersey Cattle Club.—*b.* Johnstown, Wis., June 17, 1879; *s.* Jas. and Janet Ann (McFarlane) M.; reared on farm; *m.* E. Maude Hyslop, July 5, 1905; *c.* Geo. E., Logan D., Gordon, Craig, E. Maude. B.L., Milton Coll., Wis., 1899; B.S., Colo. Agr. Coll., 1904; M.L., Milton Coll., 1904. Alpha Zeta.

Mosbeck, Ludvig, farmer, Askov, Minn.

Nurseryman and seed-grower, Denmark, to 1891; truck farmer, Chicago, Ill., to 1906; farmer, Minn., 1906–. Pres. Pine Co. Farm Bur.; dir. Minn. Farm Bur. Fed.; pres. Minn. Potato Exchange.—*b.* Denmark, Apr. 13, 1855 (naturalized 1896); *s.* Jens and Kristine (Pederidatha) M.; *m.* Kristina Larsen, Jan. 28, 1884; *c.* 6 sons and 5 daughters.

Moser, Leo Clifford, ed. Coll. Agr. and Ext. Div., Univ. Ark., 331 Southern Trust Bldg., Little Rock, Ark.

With advertising dept., Swift & Co., Chicago, 1917. 2d Lieut. Infantry, Ordance Dept., U. S. Army, 1917-9.—*b.* Formosa, Kans., Feb. 4, 1895; *s.* Osee Pierre and Francis May (Howell) M.; reared on farm. B. Journalism, Kans. State Agr. Coll., 1917. Sigma Delta Chi; Phi Alpha Tau.

Moses, Judson Eckford, co. agrl. agt., Troy, Ala.

Teach. rural schs., Ala., 1909-11; prof. an. husb., State Agr. Sch., Magnolia, Ark., 1913-5; co. agrl. agt., Brewton, Ala., 1915-7; state pig club agt., N. C. State Coll., 1916-9; agt. Pike Co., Ala., 1919–.—*b.* Hamilton, Ala., Feb. 8, 1888; *s.* Wm. Benj. and Sarah Elizabeth (Armstrong) M.; reared on farm; *m.* Lucile Carter, Sept. 12, 1917. B.S.A., Ala. Poly. Inst., 1913.

Mosher, Martin Luther, co. agrl. agt., Eureka, Ill.

Instr. farm crops, Ia. State Coll., 1905; ext. lect., 1906-12, except 1½ yrs. in Mex. as corn specialist; agrl. agt., Clinton Co., Ia., 1912-5; agrl. agt., Woodford Co., Ill., 1916–. (Corn).—*b.* W. Liberty, Ia., Apr. 12, 1882; *s.* L. O. and Lidorana (White) M.; reared on farm; *m.* Elva Forman, Dec. 1908; *c.* Arthur, Luther, Ruth, Vora. B.S.A., Ia. State Coll., 1905; M.S., 1915.

Mosier, Jeremiah George, prof. soil physics, Univ. Ill., Urbana, Ill.

Asst. geology, Univ. Ill., 1894-7; farming, 1898-9; teach. sci., high-sch., Champaign, 1899-1902; instr. soil physics, Univ. Ill., 1902-5; asst. prof., 1905-11; prof., 1911–. *Auth.:* Laboratory Manual of Soil Physics, 1911; Soil Physics and Management, 1917; Soils and Crops, 1918; Climate of Illinois, 1918.—*b.* Pike Co., O., Jan. 8, 1862; *s.* David and Amanda (Brill) M.; reared on farm; *m.* Lydia C. Miller, June 22, 1892; *c.* Leota Irene, Henry David, Helene Katharine, Dorothy Rachel. B.S., Univ. Ill., 1893.

Moss, Eugene Griscom, asst. in tobacco invests., U. S. Dept. Agr., and dir. Branch Tobacco Exp. Sta., Oxford, N.C.

Chem. and supt. blast furnaces, 1902-8; gen. supt., Warner Iron Co., Cumberland, Tenn., 1907-8; chg. tobacco farm, 1909-10; present position, 1919–. —*b.* Granville Co., N. C., Nov. 8, 1877; *s.* L. H. and Virginia (Lawrence) M.; reared on farm; *m.* Frances Bullock, Dec. 16, 1909; *c.* Elizabeth Frances, Loula Bullock, Marian Lawrence. B.S., Univ. N. C., 1902.

Mote, Don Carlos, state ent., Phoenix, Ariz.

With Ohio Exp. Sta., 1912-9; present position, 1919–.—*b.* Greenville, O., Jan. 13, 1887; *s.* Irvin and Katherine J. (Felton) M.; reared on farm and in town; *m.* Josephine Mower, June 20, 1914; *c.* Richard Hodges. B.S., Ohio State Univ., 1911; M.S., 1912. Sigma Xi; Alpha Gamma Rho.

Mote, John Henry Harrison, co. agrl. agt., Carthage, Mo.

Clerk Circuit Court, Newton Co., Mo., 1906-10; princ. schs., Neosho, 1910-3; distr. agrl. agt., Aurora, 1917; agt. Jasper Co., 1918–.—*b.* Dark Co., O., Feb. 27, 1877; *s.* John S. and Sarah A. (Dunlap) M.; reared on farm; *m.* Zebbie J. Luney, Dec. 17, 1899; *c.* Laurah E., Lola J., J. H. H. Jr., Anne Mae, Delmar Gerald. B.Ped., Springfield State Normal, 1913; B.S.A., Univ. Mo., 1916.

Moulton, Charles Robert, prof. agrl. chem., Univ. Mo., Columbia, Mo.

Asst. agrl. chem., Univ. Mo., 1907-9; instr., 1909-12; asst. prof., 1912-8; prof., 1918–. Fellow A. A. A. S. (An. nutr.).—*b.* Clifton, Pa., Sept. 16, 1884; *s.* C. Lewis and Maria Ross (Harper) M.; reared in city and country; *m.* Edith Lehnen, June 24, 1911; *c.* Ruth Elizabeth, Marjorie. B.S., Univ. Ill., 1907; M.S.A., Univ. Mo., 1909; Ph.D., 1911. Sigma Xi; Alpha Chi Sigma; Gamma Sigma Delta; Phi Lambda Upsilon.

Mowry, Jason L., assoc. prof. agrl. engin., Univ. Minn., University Farm, St. Paul, Minn.

Military instr., Ind. Sch. for Boys, 1898-9; instr. mech., Univ. Minn., 1908-12; asst. prof. agrl. engin., 1912-6; assoc. prof., 1916–. *Auth.:* Engineering Applied to Agriculture, 1918.—*b.* Rockford, Ia., Nov. 3, 1877; *s.* Wheelock and Harriet E. (Hager) M.; reared on farm; *m.* Mary A. Ellsworth, Aug. 30, 1910. M.Di., Ia. State Teach. Coll., 1898.

Moznette, George Franklin, ent., U. S. Dept. Agr., Box 1134, Miami, Fla.

Research asst. in ent., Ore. Exp. Sta., 1913-5; research asst. and asst. prof. ent., Ore. Agr. Coll., 1916-7; present position, 1918-.—*b.* St. Paul, Minn., Dec. 21, 1890; *s.* R. F. and Antoinette (Handel) M.; reared in city; *m.* Esther B. Stafford, July, 1917; *c.* Geo. F. Jr. B.S., Ore. Agr. Coll., 1913; student Univ. Calif., 1917.

Muckle, Leo Augustine, co. agrl. agt., Spring Valley, N. Y.

Spent 1 yr. in Argentine.—*b.* Potter, N. Y. Nov. 9, 1892; *s.* Thos. and Margaret (Delaney) M.; reared on farm. B.S., Cornell Univ., 1916.

Mulford, Furman Lloyd, hort., U. S. Dept. Agr., Washington, D. C.

General farming, Pa., 1893-1900; teach. hort., Baron de Hirsch Agr. Sch., Woodbine, N. J., 1900-1; lands. gard. with Manning Bros., 1901-3; supt. parks, Harrisburg, Pa., 1903-11; lands. gard., U. S. Dept. Agr., 1911-6; hort., 1916-. Sec. Amer. Assoc. of Park Supts., 1906-12. Collaborator, Lawn Soils and Lawns, 1912; Roses for the Home, 1917. (Lands. design).—*b.* Millville, N. J., July 12, 1869; *s.* Furman L. and Anna (Lloyd) M.; reared in town; *m.* Edith Eyre, Feb. 21, 1905. B.S.A., Cornell Univ., 1892.

Mulford, Walter, prof. for. and dir. resident instr. and chm. com. adminis., Coll. Agr., Univ. Calif., Berkeley, Calif.

State for. of Conn., and for. to Conn. Exp. Sta., New Haven, 1901-4; for. agt., U. S. For. Serv., 1904-5; asst. prof. for., Univ. Mich., 1905-7; prof., 1907-11; prof. for., Cornell Univ., 1911-4; prof. for., Univ. Calif., 1914-; dir. resident instr. and chm. com. adminis., 1919-.—*b.* Millville, N. J., Sept. 16, 1877; *s.* Furman and Anna (Lloyd) M.; reared in town; *m.* Vera Wandling, July 1, 1903; *c.* Alice Stewart, Mary. B.S.A., Cornell Univ., 1899; For. Engin., 1901. Sigma Xi; Alpha Zeta.

Mulholland, Lionel George, field agt. in marketing, U. S. Bur. Markets, Montpelier, Vt.

Dairy marketing agt., Miss., 1917-8; Vt., 1919-. Served as private, U. S. Army, A. E. F.—*b.* Riverside, N. J., June 2, 1893; *s.* Geo. R. and Beatrice (Kane) M.; reared in town. B.S., Del. Coll., 1916; grad. student, Univ. Wis., 1916-7. Sigma Phi Epsilon.

Muller, Richard Theodore, asst. prof. hort., Univ. Me., Orono, Me.

Chg. hort., Hampton Inst., Va., 6 mos.—*b.* N. Y. City, Aug. 14, 1893; *s.* Diedrich and Dorothea (Harfst) M.; reared in city; *m.* Catherine M. Verges, Sept. 11, 1917; *c.* Richard Kenneth. B.S., Cornell Univ., 1916. Phi Gamma Delta; Phi Kappa Phi.

Mumford, Frederick Blackmar, dean and dir. Coll. Agr., Univ. Mo., Columbia, Mo.

Asst. prof. agr., Mich. Agr. Coll., 1891-5; prof. agr., Univ. Mo., 1895-1905; prof. an. husb., 1905-9; acting dean, Coll. Agr., 1903-5; dean and dir., 1909-. Mem. Mo. State Bd. Agr.; chm. Mo. Council of Defense, 1917-; fed. food adminis. for Mo., 1917-. Mem. exec. council, Interchurch World Movement, Me., 1919-20. *Auth.:* The Breeding of Animals, 1917. (An. husb.).—*b.* Moscow, Mich., May 28, 1868; *s.* Elisha Chas. Lindsley and Julia (Camburn) M.; reared on farm; *m.* Jessamine Kennedy, 1895; *c.* Margaret, Dorothy, Catherine, Ruth Elizabeth. B.S., Mich. Agr. Coll., 1891; M.S., 1893; studied at Leipzig, 1900; Zurich, 1901. Sigma Xi; Alpha Zeta.

Mumford, Herbert Windsor, prof. an. husb., Univ. Ill., Urbana, Ill.

Instr., Mich. Agr. Coll. and asst. Exp. Sta., 1895-6; asst. prof. agr. and an. husb. invest., 1896-9; prof. agr., 1899-1901; prof. an. husb., Univ. Ill. and chief an. husb., Ill. Exp. Sta., 1901-. Sec. Farm Home Reading Circle, Mich., 1895-9; chm. cattle jurors, St. Louis Expos., 1904. Investigated live-stock conditions in Great Britain, France, Belgium, Holland, 1897; Argentina, 1908. *Auth.:* Beef Production, 1908; joint auth., Practical Farming and Gardening, 1902.—*b.* Moscow, Mich., Feb. 26, 1871; *s.* Elisha Chas. Lindsley and Julia A. (Camburn) M.; reared on farm; *m.* Lena Crosby, July 5, 1898; *c.* Dwight Curtis, Mary Caroline, Jas. Satterlee, Herbert W. Jr., Virginia. B.S., Mich. Agr. Coll., 1891. Sigma Xi; Alpha Zeta.

Muncie, Jesse Howard, path. insp., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Asst. bot., Ohio Exp. Sta., 1913; asst. plant path., Mich. Exp. Sta. 1913-7; research asst., 1917; present position, 1917–.—*b.* Middlebury, Ind., July 3, 1890; *s.* Wm. R. and Sarah C. (Varley) M.; reared in small town; *m.* Helen Marie Baber, Sept. 20, 1913; *c.* Marie Louise, Margaret Elinor. A.B., Wabash Coll., 1912; M.A., Cornell Univ., 1916.

Munger, George Howard, co. agrl. agt., Centerville, Ia.

Farmer, Wis., 2 yrs., Ia., 1 yr.—*b.* Fairhaven, Minn., May 19, 1887; *s.* Leland Howard and Eliza J. (Cooley) M.; reared in city; *m.* Delia Myra Swain, June 14, 1916; *c.* Phyllis Louise. B.S.A., Ia. State Coll., 1915.

Munger, Harlan Bruce, prof. farm manag., Ia. State Coll., Ames, Ia.

With Off. Farm Manag., U. S. Dept. Agr., 1912-4; present position, 1914–.—*b.* Byron, N. Y., Sept. 27, 1888; *s.* Henry M. and Nora (Wilcox) M.; reared on farm; *m.* Edna B. Bickford, Aug. 24, 1915; *c.* Henry M., Eunice B. B.S., Cornell Univ., 1912. Alpha Zeta; Phi Kappa Phi; Gamma Sigma Delta.

Munro, Willis, asst. in for. manag., Bur. Ent., U. S. Dept. Agr., 4 Brewer St., Boston, Mass.

Mem. for Suffolk Co., Mass. State Dept. Agr., 1918-9. Deputy asst. distr. attorney N. Y. Co., N. Y., 1902-3; ensign, Mass. Naval Militia, 1896. Mem. Assoc. of Bar of City of N. Y.—*b.* Boston, Mass., Dec. 3, 1873; *s.* Josiah Greene and Sarah Keene Healey (Dall) M.; reared in city; *m.* Marion Beach Bogardus, Oct. 31, 1907. A.B., Harvard Coll., 1896; LL.B., Harvard Law Sch., 1899; M.F., Yale For. Sch., 1912.

Munson, Jared Pomeroy, fruit-grower, Grand Rapids, Mich.

Pres. Mich. State Hort. Soc.; mem. first exec. bd., Mich. State Farm Bur.—*b.* Grand Rapids, Mich., Jan. 26, 1877; *s.* Wm. King and Mary T. (Pomeroy) M.; reared on farm; *m.* Bessie Leffingwell, Dec. 31, 1903; *c.* Austin. Student short-course, Mich. Agr. Coll., 1899.

Munson, Willard Anson, dir. div. markets, State Dept. Agr., Walpole, Mass.

Co. agrl. agt., Norfolk Co., Mass., 1915-20; present position, 1920–. Pres. Mass. Fruit Growers Assoc.—*b.* Hudson, Mass., Jan. 6, 1881; *s.* Myron F. and Mary Jane M.; reared on farm and in city; *m.* Helen M. Squier, Dec. 8, 1909; *c.* Janice, Willard Squier, Myron Montgomery. B.S., Mass. Agr. Coll., 1905. Phi Sigma Kappa; Phi Kappa Phi.

Murdock, Harvey Ellison, agrl. engin., Mont. Exp. Sta., Bozeman, Mont.

Instr. theoretical and applied mech., Univ. Ill., 1906-12; irrig. engin., U. S. Dept. Agr., 1913-4; present position, 1914–. *Auth.:* Strength of Materials, 1909; Irrigation Engineering, rev., 1915.—*b.* O., Oct. 3, 1879; *s.* Ellison M. and Annie M. (Thrush) M.; reared on farm; *m.* Ina Indus Brown, 1907; *c.* Harold Esmond, Elizabeth Jane, Thos. Brown. B.S., Univ. Colo., 1906; M.E., 1908; C.E., 1911. Tau Beta Pi; Sigma Phi Epsilon.

Murph, Daniel Shuford, chief div. cotton marketing, Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Instr. Trinity Park Sch., Durham, N. C., 1903-7; co. supt. educ., Calhoun Co., S. C., 1908-13. Pres. Farmers Bank and Trust Co., St. Matthews, S. C., 1911-3, dir., 1911–. Sec. com. on agr., U. S. House of Representatives, 1913-6. In chg. distribution nitrate of soda to farmers by U. S. Dept. Agr., 1918. Del. to World Cotton Conference, New Orleans, La., 1919.—*b.* St. Matthews, S. C., Dec. 31, 1879; *s.* Daniel J. W. and Euphrasia (Wolfe) M.; reared on farm. A.B., Wofford Coll., 1902; A.M., Trinity Coll., N. C., 1903; LL.B., Georgetown Univ., 1916. Kappa Sigma.

Murphey, Howard Sylvester, prof. vet. anat., Ia. State Coll., Ames, Ia.

Present position, 1909–.—*b.* O., Feb. 15, 1882; *s.* Jas. H. and Amanda C. M.; reared on farm and in village; *m.* Mabel Slater, Dec. 21, 1903; *c.* David Sisson. D.V.M., Ohio State Univ., 1908. Phi Kappa Phi.

Murphy, Barry, ed. N. Y. State Fruit Grower, Medina, N. Y.

Mem. N. Y. State Fair Comn., 4 yrs.; sec. to Lieut-Gov. Lewis Stuyvesant,

Chanler, and Gov. John A. Dix, N. Y.; nat. del. Democratic Convention, Denver, 1914. *Ed.*, The News, and The Orleans Co. Magazine, Medina, N. Y.—*b.* Knowlesville, N. Y., May 14, 1873; *s.* Dennis and Margaret M.; reared on farm; *m.* Kathryne Waldner, July 12, 1906; *c.* Margaret, Kathryne, Junior, Jack.

Murphy, Robert Marshall, southern field rep., Amer. Shorthorn Breeders Assoc., Knoxville, Tenn.

Formerly specialist in an. husb., Univ. Tenn.—*b.* Knox Co., Tenn., Dec. 9, 1886; *s.* Robt. F. and Sarah (French) M.; reared on farm; *m.* Perle Pennington, Jan. 6, 1915; *c.* Robt. M. Jr., John Pennington. B.S.A., Univ. Tenn., 1910; M.S., Univ. Wis., 1911. Alpha Zeta.

Murray, David P., co. agrl. agt., Rexburg, Ida.

Princ. distr. sch., Lincoln, Ida., 1912-4; jr. high-sch., Franklin, Ida., 1916-7. —*b.* Wellsville, Utah, May 13, 1885; *s.* Wm. A. and Sarah (Parker) M.; reared on farm; *m.* Mabel Shipley, Sept. 5, 1917; *c.* Junior S. B.S., Utah Agr. Coll., 1916.

Murray, James, prof. cereal husb., Macdonald Coll., Que.

Supt. Exp. Farm, Brandon, Man., 1907-11; manag., Canadian Wheatlands, Ltd., Alta., 1911-5; present position, 1915-.—*b.* Aveming, Ont., Nov. 2, 1882; *s.* Robt. and Agnes (Kay) M., reared on farm; *m.* Florence Allan; June 25, 1908; *c.* Jas. Allan, Margaret Campbell. B.S.A., Toronto Univ., 1902.

Murray, Nathaniel Carleton, asst. chief Bur. Crop Estimates, U. S. Dept. Agr., Washington, D. C.

Market and financial reporter, 1892-4; asst. ed. Cincinnati Price Current, 1898-1904; special agt., U. S. Dept. Agr., 1904-7; statistician and asst. to chief Bur. Crop Estimates, 1907-.—*b.* Cincinnati, O., Nov. 29, 1872; *s.* Chas. Burleigh and Sallie (Powell) M.; *m.* Elsie Johnson, June 7, 1900. B.Litt., Univ Cincinnati, 1898. Phi Delta Theta.

Murray, Reid Fred, manag. farm business dept., Old Commercial Nat. Bank, Oshkosh, Wis.

Agrl. ext. agt., Northern Pacific R.R., 1913-6; asst. state leader co. agrl. agts., Univ. Wis., 1916-9.—*b.* Ogdensburg Wis., Oct. 16, 1887; *s.* Geo. C. and Kittie (Livermore) M.; reared on farm. B.S., Univ. Wis., 1916.

Murray, Thomas Jefferson, assoc. prof. bact. and bact. Exp. Sta., Wash. State Coll., Pullman, Wash.

Asst. bact., Purdue Univ., 1913-5; assoc. prof. bact. and assoc. bact. Exp. Sta., Va. Poly. Inst., 1915-8; present position, 1918-.—*b.* Nyack, N. Y., Oct. 13, 1891; *s.* Andrew and Josephine (Hanlon) M.; reared in city; *m.* Harriet Alida Palmer, Dec. 26, 1917. B.S., Coll. City of N. Y., 1913; M.S., Purdue Univ., 1915.

Musbach, Frederick Ludwig, assoc. prof. soils, in chg. Exp. Sta. and ext., Marshfield, Wis.

Asst. in Wis. Geol. and Nat. Hist. Survey, 1909-12.—*b.* Saukville, Wis., Mar. 10, 1877; *s.* Wm. and Marie (Butzer) M.; reared on farm; *m.* Roxena Billings, Oct. 26, 1912; *c.* Wm. F. B.S., Univ. Wis., 1909. Sigma Xi.

Musgrave, George Wallace, asst. prof. agron., Rutgers Coll., New Brunswick, N. J.

Teach. agr., high-sch., Hamburg, Ia., 1915-6; sci., soil survey, U. S. Dept. Agr., 1916-8; present position, 1918-. —*b.* Scranton, Pa., Aug. 25, 1891; *s.* Aaron Wallace and Elizabeth (Conner) M.; reared on farm and in city; *m.* Pearle McCoy, Dec. 26, 1917. B.S., Cornell Univ., 1915; M.S.A., 1915. Kappa Delta Rho.

Musgrove, G. C., co. agrl. agt., Coshocton, O.

Dir. farmers insts., Marshall Co.; formerly co. agrl. agt., Moundsville, W. Va. 2d Lieut. Field Artillery, U. S. Army.—*b.* Fairmont, W. Va., Sept. 13, 1888; *s.* R. Q. and Susan Deliah (Rogers) M.; reared on farm. B.S.A., W. Va. Univ., 1914.

Mussehl, Frank Edward, prof. poultry husb., Univ. Neb., Lincoln, Neb.

Asst. poultry husb., Kans. State Agr. Coll., 1915-6; instr., Univ. Wis., 1916-7; prof., Univ. Neb., 1917-.—*b.* Jefferson, Wis., Dec. 3, 1891; *s.* Wm. and Freda (Miller) M.; reared on farm; *m.* Inez

L. Clough, June 20, 1917. B.S., Univ. Wis., 1915. Alpha Gamma Rho; Gamma Sigma Delta.

Musselman, Harry Hayes, assoc. prof. farm mech., Mich. Agr. Coll., E. Lansing, Mich.

b. Defiance Co., O., Sept. 13, 1880; *s.* Ira and Esther L. (Luce) M.; reared on farm; *m.* Anne I. Green, Dec., 1917. B.S., Mich. Agr. Coll., 1908. Tau Beta Pi.

Musser, Howard Burton, sci. asst., Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Teach. high-sch., Terra Alta. W. Va., 1914-5; superv. sch. gard., Erie, Pa., 1917.—*b.* S. Williamsport, Pa., Sept. 9, 1893; *s.* Calvin F. and Annie (Gettig) M.; reared in town and on farm. A.B., Bucknell Coll., 1914; B.S., Penn. State Coll., 1917. Sigma Chi.

Musser, Karl Bryant, dairy ext. specialist, Wash. State Coll., Pullman, Wash.

Ext. dairyman, Conn. Agr. Coll., 1914-8; present position, 1918-. Manag. Western Dairy Products Show, 1919.—*b.* Abilene, Kans., Nov. 9, 1888; *s.* Jacob E. and Anna Engle (Gish) M.; reared on farm; *m.* Madge Catherine Rowley, June 1, 1915; *c.* John Lee. B.S., Kans. State Agr. Coll., 1912; M.A., Univ. Mo., 1914. Alpha Zeta; Gamma Alpha.

Musser, Ralph Hershey, asst. dir. agrl. ext., Univ. Ida., State House, Boise, Ida.

Teach. agr., Twin Falls, Ida., 1914-7; agrl. agt. Canyon Co., 1917-8; asst. co. agt. leader, Univ. Ida., 1919; present position, 1920-.—*b.* Abilene, Kans., Oct. 28, 1890; *s.* Henry E. and Mary (Hershey) M.; reared on farm; *m.* Ruby Howard, May 19, 1915; *c.* Mary Virginia, Robt. Howard. B.S.A., Kans. State Agr. Coll., 1914.

Mutchler, Fred, dir. agrl. ext., Univ. Ky., Lexington, Ky.

Instr., Clark Univ., Worcester, Mass., 1903-4; asst. prof. biol., 1905-7; prof. agr. and biol. sci., State Normal Sch., Bowling Green, Ky., 1907-12; present position, 1914-. Pres. Ky. Div. Farmers Educ. and Coop. Union of Amer., 1915-6.—*b.* Patricksburg, Ind., Oct. 16, 1871; *s.* John and Elizabeth (Rowe) M.; reared on farm; *m.* Florence May Merritt, June 14, 1905; *c.* Fred Merritt, Bradford Dean, Florence Elizabeth. A.B., Ind. Univ., 1903; Ph.D., Clark Univ., 1905. Delta Tau Delta.

Myer, Dillon Seymour, co. agrl. agt., Columbus, O.

Instr. agron., Univ. Ky., 1914-6; co. agrl. agt., Ind., 1916-7; asst. co. agt. leader, Ind. 1918-20; present position, 1920-.—*b.* Hebron, O., Sept. 4, 1891; *s.* John H. and Harriet E. (Seymour) M.; reared on farm. B.S.A., Ohio State Univ., 1914. Alpha Zeta.

Myers, Charles Emory, assoc. prof. plant-breeding, Penn. State Coll., State College, Pa.

Asst. hort., Penn. State Coll., 1908-10; assoc., 1910-7; present position, 1917-.—*b.* near Tivoli, Pa., Feb. 23, 1882; *s.* John A. and Elizabeth J. (Kester) M.; reared on farm; *m.* Christine Alice Bidelspacher, Dec. 31, 1910; *c.* Chas. Andrew, Christine Elizabeth. B.S., Penn. State Coll., 1908; M.S., Cornell Univ., 1910. Sigma Xi; Acacia.

Myers, Clyde Hadley, prof. plant-breeding, Cornell Univ., Ithaca, N. Y.

Asst. plant-breeding, Ill. Exp. Sta., 1907-10; asst. prof., Cornell Univ., 1912-3; prof., 1913-. (Potatoes, timothy).—*b.* Randolph, Ill., Feb. 6, 1883; *s.* John J. and Justina Lauretta (Hadley) M.; reared on farm; *m.* Fleda De Vere Straight, 1910; *c.* John Straight. B.S., Ill. Wesleyan, 1907; M.S., Univ. Ill., 1910; Ph.D., Cornell Univ., 1912. Sigma Xi; Tau Kappa Epsilon; Gamma Alpha.

Myers, William Irving, asst. prof. agrl. econ. and farm manag., Cornell Univ., Ithaca, N. Y.

Instr. farm manag., Cornell Univ., 1914-8; asst. prof., 1918-.—*b.* Lowman, N. Y., Dec. 18, 1891; *s.* Geo. B. and Florence (Lowman) M.; reared on farm; *m.* Marguerite E. Troxell, May 29, 1915; *c.* Elizabeth, Wm. I. Jr., Marian. B.S., Cornell Univ., 1914; Ph.D., 1918. Sigma Xi; Kappa Delta Rho.

Myrick, Herbert, ed., auth., pub., farmer, Myrick Bldg., Springfield, Mass.

Ed., Farm and Home, pres. Phelps Pub. Co., Springfield, Mass., and Chi-

cago; pres. Orange Judd Co., dir. New England Homestead (Springfield), American Agriculturist (New York), Northwest Farmstead (Minneapolis); pres. The Bushnell Co., pubs. Dakota Farmer, Aberdeen, S. D.; pres. American Educ. Press, N. Y., pub. Current Events; organizer and pres. Metallic Drawing Roll Co.; dir. Fed. Land Bank of Springfield. *Auth.:* How to Cooperate, 1891; Turkeys, How to Grow Them, 1895; Money Crops, How to Grow and How to Sell Them, 1895; Mortgage Lifters, 1895; Tobacco Leaf, 1896; The American Sugar Industry, 1897; The Hop, 1898; The Crisis in Agriculture, 1900; The Book of Corn, 1903; A Swim for Life, 1904; Cache la Poudre—a romance of his western life in the days of Custer, 1905; Promise of Life, 1905; Co-operative Finance, 1912; A National View of Southern Development, 1912; Federal Farm Loan System, 1916; Agricultural Preparedness, 1917.—*b.* Arlington, Mass., Aug. 20, 1860; *s.* Henry Lewis and Lucy Caroline (Whittemore) M.; reared in country; *m.* Elvira Lawrence Kenson, Aug. 15, 1885; *c.* Cristine, Helen L., Donald. B.S., Mass. Agr. Coll. and Boston Univ., 1882.

Myrick, Hobart D., farmer, Square Butte, Mont.

Banker, Ia., 1898-1907; publisher, Ia., 1908-9; banker, Mont., 1909-10; rancher and wheat farmer, 1911–. Pres. Chouteau Co. Farm Bur.; pres. Mont. Farm Manag. Assoc. (Farm manag.).—*b.* Jones Co., Ia., Jan. 18, 1879; *s.* Chas. T. and Theresa (Pete)) M.; reared in town; *m.* Mabel J. Buedel, Aug. 22, 1906; *c.* Eberhard P., Delbert C., Dana H.

N

Nagant, Henri, prof. agrl. chem. and geol., Inst. Agricole d'Oka, La Trappe, Que.

b. Hulsberg, Holland, May 30, 1882; *s.* Julien and Elizabeth (Steeners) N.; reared on farm. Ingenieur agricole, Univ. Louvain, Belgium, 1903; ingenieur forestier, 1905.

Napier, J. M., co. agrl. agt., Darlington, S. C.

Asst. agron., Univ. Wis., 1910; asst. prof. agron., Clemson Agr. Coll., 1911-2; farm dem. agt., Richland Co., S. C., 1913; dem. agrl. educ., Darlington Co., 1914–. Manag. Darlington Coop. Creamery Co. *Auth.:* (with Barton and Stewart) Agriculture for School and Farm, Vol. 1, 1915; Vol. 2, 1916.—*b.* Blenheim, S. C., Aug. 21, 1887; *s.* J. L. and Marietta (Donaldson) N.; reared in village; *m.* Elizabeth Satterwhite, June 12, 1913. B.S., Clemson Agr. Coll., 1908; M.S., Univ. Wis., 1909.

Nash, Claude L., co. agrl. agt., Coldwater, Mich.

Princ. high-sch., Lawton, Mich., 1909-10; teach. sci. and agr., Union City, 1910-3; instr. agr., Western State Normal, Kalamazoo, summer 1913; superv. agrl. work and sch. gardens, Muskegon High-Sch. and Hackley Manual Training Sch., Muskegon, 1913-6; agt. Branch Co., 1916–. Conducted first farmers school held in Mich. in 1912. Sec. Mich. Soc. Promotion Agrl. Educ., 1912-3; corresponding sec., Muskegan Co. Hort. Soc., 1914.—*b.* Grattan, Mich., June 5, 1884; *s.* Edward P. and Maria (Purdy) N.; reared on farm; *m.* Cherie Campbell, June 1910; *c.* Edward H., Eleanor L., Herbert Lewis. B.S., Mich. Agr. Coll., 1909.

Nason, Wayne C., asst. in rural organization, Off. Farm Manag., U. S. Dept. Agr., Washington, D. C.

Prof. hist., Minneapolis Classical Sch., 1900-1; superv. schs., Philippine Isls., 1901-16. Traveled in Orient and Europe. (Community bldgs.).—*b.* Osceola Mills, Wis., Apr. 17, 1874; *s.* Crocker Fletcher and Evelyn (Fenlason) N.; reared in town and on farm. B.S., Univ. Minn., 1900.

Naylor, Harold Rafe, instr. voc. agr., high-sch., El Reno, Okla.

First Lieut. Field Artillery, U. S. Army, 15 mos.—*b.* Sumner Co., Kans., July 23, 1890; *s.* John E. and Etta (Ham) N.; reared on farm; *m.* Ethel Simonson, June 27, 1919. B.S., Okla. A. & M. Coll., 1916.

Neale, Alvin Scott, ext. specialist in dairying, Kans. State Agr. Coll., Manhattan, Kans.

Ext. lect. dairying, Ohio State Univ., 1908-13; present position 1913–.—*b.* Milnersville, O., Sept. 8, 1870; *s.* John

and Phoebe Amanda (Rourk) N.; reared on farm; *m.* Emma M. Rogers, Dec. 25, 1893 (d. 1906); 2d, Katherine E. Reese, June 15, 1911; *c.* John R., Comfort A., Philip E., Edward A. B.S.A., Ohio State Univ., 1904.

Neel, Lake Ross, writer and farmer, Mayland, Tenn.
On Exp. Sta. farms, Univ. Tenn., 3 summers; conducting coop. experiments, 2 yrs.; teach., Peabody Coll., summers, 1915-6. Former ed., Southern Agriculturist.—*b.* Gap Mills, W. Va., June 22, 1881; *s.* Harry A. and Josephine (Ross) N.; reared on farm; *m.* Julia R. Biddle, June 18, 1913; *c.* Julia Ross. B.S.A., Univ. Tenn., 1907; grad. student, 1908-9.

Negley, Noel, dairy husb., U. S. Dept. Agr., Univ. Wis., Madison, Wis.
Dairy ext., U. S. Dept. Agr., 1912-8. —*b.* Wahoo, Neb., Feb. 27, 1889; *s.* Sam F. and Lillie (Churchill) N.; reared on farm; *m.* Ella Belle Gunn, Sept. 3, 1914 (d. 1918); *c.* Ardus Ruth. A.B., Univ. Neb., 1912; M.S., Univ. Wis., 1918.

Neil, James E., co. agrl. agt., Sioux City, Ia.
Co. agrl agt., Wabasso, Minn., 1913-6; agt. Woodbury Co., Ia., 1916–.—*b.* Long Grove, Ia., Oct. 4, 1886; *s.* John F. and Caroline (Brandt) N.; reared on farm; *m.* Edith C. Otto, Aug. 2, 1913; *c.* Lantha Dale. B.S.A., Ia. State Coll., 1911.

Nelson, Arthur E., asst. in marketing fruits and vegetables, Bur. Markets, U. S. Dept. Agr., Washington, D. C.
Served in 25th Regiment C. A. C., U. S. Army.—*b.* Hallock, Minn., Oct. 10, 1892; *s.* N. A. and Betsy (Anderson) N.; reared in town; *m.* Ellen Anderson, Oct. 10, 1918. B.S.A., Univ. Calif., 1917. Theta Chi.

Nelson, Arthur W., live-stock farmer, Bunceton, Mo.
Pres. Cooper Co. Farm Bur.; fed. food adminis. for Mo.; pres. Bank of Princeton.—*b.* Cooper Co., Mo., Jan. 21, 1878; *s.* Arthur W. and Lalla (Marmaduke) N.; reared in town; *m.* Rilye Stephens, Mar. 25, 1903; *c.* Rilye S. Arthur W. III. M.D., Suwanee Coll., Tenn., 1900. Alpha Tau Omega.

Nelson, Aven, pres. Univ. Wyo., Laramie, Wyo.
Teach., Drury Coll., Springfield, Mo., 1883-5; princ. public schs., Ferguson, Mo., 1885-7; prof. bot., Univ. Wyo., 1887–; acting pres., 1917-8; pres., 1918–. Sec. State Bd. Hort., 1906–. Fellow A. A. A. S., Bot. Soc. Amer. *Auth.:* Report on the Flora of Wyoming, 1896; The Trees of Wyoming and How to Know Them, 1899; Key to Rocky Mountain Flora, 1902; Spring Flora of the Intermountain States, 1910. Reviser, New Manual Rocky Mt. Botany, 1909.—*b.* Lee Co., Ia., Mar. 24, 1859; *s.* Christian and Anne (Evenson) N.; *m.* Celia Alice Calhoun, 1885. A.B. and B.Di., State Normal Sch., Kirksville, Mo., 1883; Mast. Sci. Didactics, 1889; A. M., Harvard Univ., 1892; M.S., Drury Coll., 1890; Ph.D., Univ. Denver, 1904.

Nelson, Casper Irving, asst. prof. bact., N. D. Agr. Coll., Agricultural College, N. D.
Asst. bact., Univ. Wis., 2 yrs.; present position, 1913–.—*b.* River Falls, Wis., June 16, 1886; *s.* B. C. and Lina (Lien) N.; reared in town; *m.* Josephine H. Mortiboy, July 30, 1912; *c.* Elizabeth H., Robt. C. A.B., Univ. Wis., 1912.

Nelson, Edward William, chief U. S. Biol. Survey, U. S. Dept. Agr., Washington, D. C.
Sci. explorer, Alaska, 1877-81; naturalist, U. S. steamer Corwin, 1881; with Biol. Survey, U. S. Dept. Agr., 1890–; chief field nat., 1907-12; chg. biol. invests., 1913-4; asst. chief, 1914-5; chief, 1916–. Mem. Death Valley Exped., 1890-1; sci. explorer in Mex., 1892-1906. Pres. Amer. Ornithologists Union, 1908-9, 1912-3; pres. Biol. Soc. of Washington, 1912-3. (Ornithology, mammology).—*b.* Manchester, N. H., May 8, 1855; *s.* Wm. and Nancy M. (Wells) N. Grad. Cook Co. Normal Sch., Chicago, 1875.

Nelson, George Allen, co. agri. agt., South Bend, Wash.
Supt. dairy, Salem, Ore., 1909-10. Del. to Nat. Farm Manag. Convention. Deputy state dairy and food comnr., 1911-2.—*b.* Sonora, Calif., Jan. 31, 1882; *s.* Cornelius and Anna A. (Suther-

land) N.; reared on farm; *m.* Clarice E. Dixon, Sept. 1, 1910: *c.* Alford Miles, Velma Lorraine, Eldred George, Ava Clarice. B.S.A., Ore. Agr. Coll., 1909.

Nelson, Lowry, co. agrl. agt., Manti, Utah.
Sec. to pres., Utah Agr. Coll., 1916-7; formerly asst. co. agt. leader.—*b.* Ferron, Utah, Apr. 16, 1893; *s.* Hyrum A. and Mary A. (Lowry) N.; reared on farm. B.S., Utah Agr. Coll., 1916. Delta Nu; Gamma Sigma Delta.

Nelson, Martin, vice-dean Coll. Agr. and vice-dir. Exp. Sta., Univ. Ark., Fayetteville, Ark.
Adj. prof. agron., Univ. Neb., 1906-7; asst. prof., 1907-8; prof. agron., Univ. Ark., 1908-13; dean and dir., 1913-20; vice-dean and vice-dir., 1920–; chg. agrl. ext., 1913-5.—*b.* Crawford Co., Wis., Sept. 12, 1871: *s.* Erik and Christine (Olson) N.; reared on farm; *m.* Maude Agnes Farnham, Jan. 22, 1910; *c.* Helen Christine, Isabel May. B.S.A., Univ. Wis., 1905: M.S., 1906. Alpha Zeta.

Nelson, Oran Milton, assoc. prof. an. husb., Ore. Agr. Coll., Corvallis, Ore.
Instr. an. husb., Ore. Agr. Coll., 1913-7; assoc. prof., 1917–. *Auth.:* Part III, Potters' Western Live-Stock Management, 1917. (Sheep and wool).—*b.* La Crosse, Wis., Nov. 29, 1888; *s.* O. and Matilda (Olsen) N.; reared on farm and in town; *m.* Charlotte Lewis, Aug. 26, 1915. B.S.A., Univ. Wis., 1913. Alpha Zeta; Kappa Phi Gamma.

Nelson, Rufus J., ed. Farm and Ranch, Dallas, Tex.
Rice expert, Ark. Exp. Sta., 1905-8; prof. agr., Univ. Ark., 1908-9; prof. agrl. educ., 1909; present position, 1910–. Asst. supt. hort. for Ark., St. Louis Expos., 1904.—*b.* Washington, Ark., Dec. 6, 1870; *s.* Sam H. and Alice (Wyatt) N.; reared on farm; *m.* Flossie Ella Sanderford, June 24, 1908; *c.* Alice, Lucile, Arthur. Normal Diploma, Univ. Ark., 1903; B.S., 1904; M.S., 1907.

Nelson, Sofus Bertelsen, prof. and dean Coll. Vet. Sci. and dir. ext. serv., Wash. State Coll., Pullman, Wash.
House surgeon, Ia. State Coll., 1889-90; present position, 1895–. State vet., Wash., 1895-1911; mem. State Bd. Health, Wash., 1895-1911. Sec. Wash. Live-Stock Assoc., 1904-10; sec. Northwest Live-Stock Assoc., 1910-2; sec. Cascade Intern. Stock Show, 1915. Del. Intern. Convention Tuberculosis, Washington, D. C., 1908. Traveled in Europe, 1893.—*b.* Veile, Denmark, Dec. 21, 1867 (naturalized 1889); *s.* Niels P. and Maria (Bertelsen) N.; reared in town and on farm; *m.* Jettchen Uhden, Nov. 28, 1895. D.V.M., Ia. State Coll., 1880. Phi Kappa Phi; Alpha Psi.

Nesbit, Samuel Anthony, instr. agr., high-sch., Healdsburg, Calif.
Almond grower, 7 yrs.—*b.* Highland, Kans., Apr. 5, 1860; *s.* S. F. and Mary (Templar) N.; reared on farm and in town; *m.* Nellie Painter; *c.* Paul Templar. Mark Clement, Mary Carolyn. A.B., Drake Univ., 1889; A.M., Catner Univ., 1894.

Neuswanger, George, co. agrl. agt., Alliance, Neb.
b. Bloomington, Ill., Jan. 26, 1894; *s.* Chris. N.; reared on farm. B.Sc., Univ. Neb., 1917. Phi Gamma Delta; Alpha Zeta.

Nevens, William Barbour, asst. prof. dairy husb., Univ. Neb., Lincoln, Neb.
Asst. dairy husb., Univ. Ill., 1914-7; present position, 1917–. Mem. bd. editors, Journal of Dairy Science.—*b.* Winnebago, Ill., Nov. 27, 1885; *s.* Wm. Henry and Jessie F. (Hunter) N.: reared on farm; *m.* Martha C. Langwill, Aug. 6, 1914. B.S., Univ. Wis., 1914: M.S., Univ. Ill., 1917. Alpha Zeta.

Nevitt, John Victor, instr. agr. and ind. arts, Garfield Co. High-Sch., Glenwood Springs, Colo.
Stock grower, Colo., N. Mex., 4 yrs.; distr. for. ranger, Santa Fe Nat. For., 2 yrs. Deputy fish and game warden, N. Mex.; deputy sheriff, Rio Arriba Co. Private, U. S. Army, 19 mos.: served with A. E. F.—*b.* De Norte, Colo., Mar. 8, 1893; *s.* John and Clara (Boyer) N.; reared on ranch. B.S., Colo. Agr. Coll., 1916.

Newcomer, Erval Jackson, sci. asst., Bur. Ent., U. S. Dept. Agr., Yakima, Wash.
Asst., Calif. State Comn Hort., 1911, 2; acting instr. ent., Leland Stanford Univ., 1913-4; present position, 1914–. —*b.* Oregon, Ill., May 5, 1890; *s.* Al-

phonso G. and Carrie M. (Jackson) N.; reared in country; *m.* Ethel Crosby, Aug. 17, 1913; *c.* Barbara Elizabeth, Jerold Anne, Meriel. A.B., Leland Stanford Univ., 1911. Phi Beta Kappa; Sigma Xi.

Newcomer, W. W., farmer, Denton, Md.
Teach. expression and dramatic art, 13 yrs. Pres. and gen. manag. Farmers Supply Co., Denton.—*b.* Scottdale, Pa., Jan. 14, 1869; *s.* David M. and Mary E. N.; reared on farm; *m.* Stella B. Sites, Dec. 26, 1896; *c.* Walter D., Park W., Donald S., Dwight E., Paul M. A.M., Ohio Northern Univ.

Newell, Wilmon, plant comnr., State Plant Bd., Gainesville, Fla.
Asst. ent., Ia. State Coll., 1897-9; asst. ent., Ohio Exp. Sta., 1899-1902; asst. state ent. and apiarist, Tex., 1902-3; state ent., Ga., 1903-4; ent. and sec. La. Crop Pest Comn., 1905-10; state ent., Tex., 1910-5; present position, 1915-. Pres. Amer. Assoc. Econ. Ent., 1920. Fellow A. A. A. S. Investigated black fly in Cuba, 1917-8.—*b.* Hull, Ia., Mar. 4, 1878; *s.* Wm. Jas. and Elizabeth (Anderson) N.; reared on farm; *m.* Helen Marie Mabee, Feb. 12, 1907. B.S., Ia. State Coll., 1897; M.S., 1899; D.Sc., 1920. Phi Kappa Phi.

Newhall, Harold Wendell, assoc. prof. dairying, Mich. Agr. Coll., E. Lansing, Mich.
Instr. dairying, Mich. Agr. Coll., 1911-2; with Carlyle Dairy Co., Calgary, Alta., 1912-3; manag. and dir. Sanitary Dairy, St. Catherines, Ont., 1913-7; present position, 1917-.—*b.* Toronto, Ont., Oct. 22, 1885; *s.* Euegen Pierre and Georgina A. (Fraser) N.; reared in city and country. B.S.A., Ont. Agr. Coll., 1911.

Newhouse, Milton John, co. agrl. agt., Vancouver, Wash.
Princ. high-sch. and instr. agr., Kirkland, Wash., 1911-5; instr. elementary sci., Wash. State Coll., 1915-7; agt. Pond Oreille Co., Apr.-Nov., 1917; agt. Clarke Co., 1917-.—*b.* Ten Post, Netherlands, Mar. 20, 1885 (naturalized 1910); *s.* John and Ethel (Wigboldus) N.; reared on farm; *m.* Ethel Smawley, Aug. 15, 1913. A.B., Wash. State Coll., 1911; B.S., 1917. Alpha Zeta; Phi Delta Theta; Delta Sigma Rho.

Newlander, Carl Edwin, dairy manufacturing specialist, Bur. An. Ind., U. S. Dept. Agr., Washington, D. C.
Instr. dairy manufacture, Mich. Agr. Coll., 1912-6; asst. prof., 1916-7; present position, 1917-.—*b.* Benton, N. Y., Sept. 11, 1886; *s.* August and Anna (Pearson) N.; reared on farm; *m.* Ida Victoria Hard, Mar. 20, 1915; *c.* Virginia May, Carl E. Jr. B.S., Cornell Univ., 1912.

Newman, Charles Carter, prof. hort. and hort. Exp. Sta., Clemson Agr. Coll., Clemson College, S. C.
Asst. hort., S. C. Exp. Sta., 1897-9; assoc. prof. and asst. hort., 1899-1900; present position, 1900-.—*b.* Sparta, Ga., Sept. 6, 1874; *s.* Jas. Stanley and Elberta (Lewis) N.; reared on farm; *m.* Grace Strode, May 7, 1912; *c.* Aubrey, Carter, Mildred, Wilson. B.S., Clemson Agr. Coll., 1896.

Newman, Clifford Lewis, training officer, Fed. Bd. Voc. Educ., Forsythe Bldg., Atlanta, Ga.
Asst. prof. agr., Univ. Tenn., 1887-9; princ. distr. agrl. sch., Athens, Ala., 1889-91; asst. agrst., Ark. Exp. Sta., 1891-7; agrst. and prof. agr., Univ. Ark., 1897-1905; prof. agron. and agrst., Clemson Agr. Coll., 1905-8; prof. agron., N. C. A.&M. Coll., 1908-19; present position, 1919-. (Agrl. writing).—*b.* Columbus, Ga., July 25, 1864; *s.* Jas. Stanley and Elberta (Lewis) N.; reared on farm. B.S., Ala. Poly. Inst., 1886; M.S., 1887. Phi Delta Theta.

Newman, Cyrus Edson, asst. boys' club agt., Ala. Poly. Inst., Auburn, Ala.
Asst. instr. an. husb., Ala. Poly. Inst., 1916; teach. agr., Talladega Co. high-sch., 1916-7; agt. Tallapoosa Co., Feb.-Sept. 1917; present position, 1917-.—*b.* Goodwater, Ala., Aug. 28, 1893; *s.* W. O. and Ann (Staples) N.; reared on farm. B.S. Ala. Poly. Inst., 1916. Phi Kappa Phi; Gamma Sigma Delta.

Newman, John W., farmer, Versailles, Ky.
Asst. math., Ky. State Univ., 1888-97. Mem. Ky. House of Rep., 1904-6; Ky. State Senate, 1906-10. Sec. Ky. State Fair, 1908-11; comnr. of agr., Ky., 1912-6. Gen. manag., Insular Fair, San Juan, Porto Rico, 1911.—*b.* Monroe Co., Ky., Jan. 23, 1869; *s.* John J.

and Lucy Harlan) N.: reared on farm: *m.* Annie Miller: 2d. Janie Slemp. 1916. B.S., Monroe Normal Sch., 1887: studied agr., Colo. Agr. Coll., 1889. Kappa Alpha.

Newsom, I. E., prof. vet. path. and path. Exp. Sta., Colo. Agr. Coll., Fort Collins, Colo.

Asst. vet. sci., Colo. Agr. Coll., 1906-7; prof. vet. anat., 1907-12; prof. vet. path., 1912-. State meat insp., Colo., 1907. Sec. for Colo., Amer. Vet. Med. Assoc.: sec. Colo. Vet. Med. Assoc., 1912-. Sheep diseases).—*b.* Mitchell Co., Tex., Apr. 13, 1883: *s.* Eli and Lydia (Russell) N.: reared on farm: *m.* Jessie S. Woods, July 8, 1905: *c.* Fern, Shirley. B.S., Colo. Agr. Coll., 1904: D.V.S., San Francisco Vet. Coll., 1906: D.V.S., Kans. City Vet. Coll., 1909. Alpha Psi.

Newsom, James Frederick, agrst., Kansas City Southern Ry. Co., Kansas City, Mo.

Adj. prof. languages, Poly. Coll., Ft. Worth, Tex., 1896-8: prof. ancient languages, Hargrove Coll., Ardmore, Okla., 1898-1900: dry-farmer, 1904-15; agrl. agt. Beaver Co., Okla., 1915-9: present position, 1919-. Supt. agrl. exhibits, Intern. Soil Products Expos., Kansas City, 1919.—*b.* Cherokee, Ala., Mar. 2, 1871: *s.* John E. and Mattie (Brandon) N.; reared on farm: *m.* Mary Hardin, Sept. 7, 1905; *c.* Uarda Fred, John Hardin. B.S., Poly. Coll., Ft. Worth Tex., 1894: A.B., 1898.

Newton, Robert, asst. prof. field husb., Univ. Alberta., Edmonton, Alta.

Dem., Macdonald Coll., 1912: asst. Dominion cerealist, Cent. Exp. Farm, Ottawa, 1913: dir. agrl. schs. and field husb., N. B., 1914-5: present position 1919-. Capt. Canadian Field Artillery, 1915-9: served in France, 3 yrs.—*b.* Montreal, Que., Feb. 7, 1889: *s.* John and Elizabeth (Brown) N.: reared on farm: *m.* Emma Florence Read, July 31, 1914. B.S.A., McGill Univ., 1912.

Newton, Samuel Thomas, dir. agrl. ext. serv., Winnipeg, Man.

Teach. public schs., 8 yrs.: teach. manual training, Winnipeg, 5 yrs.: asst. superv., 2 yrs.: chg. woodworking dept., Kelvin Tech. Sch., Winnipeg, 1 yr., chg. tech. dept., 2 yrs.: present position, 1914-.—*b.* Violet Hill, Ont., Jan. 27, 1875: *s.* Wm. and Sarah A. (Marshall) N.: reared on farm: *m.* Annie B. Borden, July 8, 1907: *c.* Merlin Borden, Vera. Student Toronto Univ., 2 yrs.

Nicholls, William Durrett, prof. farm manag., Univ. Ky., Lexington, Ky.

Asst. an. husb., Ky. Exp. Sta., 1907-8: manag. and joint proprietor of farm, Bloomfield, Ky., 1908-12; asst. prof. an. husb., Univ. Ky., 1912-6; prof. and head dept. farm manag., 1916-.—*b.* Bloomfield, Ky., Feb. 6, 1885; *s.* Archibald W. and Elizabeth (Dougherty) N.: reared on farm; *m.* Mary Elizabeth Hord, Sept. 1, 1913; *c.* Wm. Hord, Mary Elizabeth, Louise. B.S.A., Univ. Ky., 1907; M.S.A., 1915. Alpha Zeta.

Nichols, Floyd Bruce, manag. ed., The Capper Farm Press, Topeka, Kans.

Agrl. ed., The Fruit Grower, St. Joseph, Mo., 1912-3; field ed., The Capper Farm Press, 1913-5; assoc. ed., 1915-8: manag. ed., 1919-. In U. S. Army in France, 1918-9. *Auth.:* Making Money on Farm Crops, 1913. (Soil fert.).—*b.* Buffalo, Kans., Sept. 15, 1890: *s.* Hiram Armstrong and Lucinda (Millron) N.: reared on farm: *m.* Nell Beaubien, June 21, 1917. B.S., Kans. State Agr. Coll., 1912.

Nichols, Harry Esmond, ext. asst. prof. pom., Ia. State Coll., Ames, Ia.

Manag. fruit farm, Sioux City, Ia., 1917: asst. pom., Ia. Exp. Sta., 1918; present position, 1919-. Served in U. S. Army.—*b.* Chicago, Ill., Mar. 15, 1893: *s.* Lincoln and Lucy (Palmer) N.: reared in town: *m.* Mary Mears, Aug. 22, 1918. B.S., Ia. State Coll., 1917. Gamma Sigma Delta.

Nichols, Mark Lovell, prof. agrl. engin., Ala. Poly. Inst., and agrl. engin. Exp. Sta., Auburn, Ala.

Agron., T. N. Vail Agr. Sch., 1915; asst. prof. agron., Del. Coll., 1915-8; agrl. engin., Va. Poly. Inst., 1918-9; present position, 1919-.—*b.* Bellevue, O., Jan. 24, 1888: *s.* M. R. and Alice (McCrillis) N.: reared in village: *m.* Nina A. Griffin, Jan. 24, 1913. B.S.A., Ohio State Univ., 1912: M.S., Del. Coll., 1918. Alpha Zeta.

Nichols, Ross, co. agrl. agt., Linneus, Mo.
b. Fairmont, Mo., Oct. 2, 1884; *s.* H. N. and Ida May (Starr) N.; reared on farm; *m.* Margaret B. Tompkins, Aug. 22, 1907; *c.* Carroll Starr, Oneta Marie, Marguerite Lucile. Student Univ. Mo.

Nicholson, John Frederick, marketing specialist for Ark. and U. S. Dept. Agr., Little Rock, Ark.
Asst. bact., Wis. Exp. Sta., 1900-2; N. Y. Agr. Exp. Sta., Geneva, 1902-3; Okla. A. & M. Coll., 1903-5; prof. bot. and ent., 1905-9; prof. bact., Univ. Ida., 1909-15; vice-dir. Ida Exp. Sta., 1915–; superv. farm marketing, St. Louis and San Francisco R. R., 1915-6; prof. agron. and agron. Exp. Sta., Univ. Ariz., 1916-7; present position, 1917–.—*b.* Brodhead, Wis., July 9, 1878; *s.* Frederick Wm. and Alice (Cronk) N.; *m.* Hazel Isaacs, July 4, 1904. B.S., Univ. Wis., 1900; M.S., 1902.

Nicolson, John Whitley, ext. specialist farm crops, Mich. Agr. Coll., E. Lansing, Mich.
Farmer, 1915-6; present position, 1916–. Sec.-treas. Mich. Crop Improvement Assoc., 1917–; sec.-treas. Intern. Crop Improvement Assoc., 1917–; sec.-treas. Intern. Crop Improvement Assoc., 1919–.—*b.* Marlette, Mich., Apr. 8, 1892; *s.* John and Nancy (Whitley) N.; reared on farm; *m.* Josephine L. Fry, July 17, 1917; *c.* John Stuart. B.S.A., Mich. Agr. Coll., 1915. Alpha Zeta.

Niesley, Howard Graybill, co. agrl. agt., Dauphin Bldg., Harrisburg, Pa.
Princ. high-sch., Palenville, N. Y., 1911-3.—*b.* Carlisle, Pa., Mar. 22, 1890; *s.* John B. and Lizzie E. (Graybill) N.; reared on farm. B.S., Penn. State Coll., 1917. Alpha Zeta.

Nitzschke, Alvin John, co. agrl. agt., hort., Blue Ridge, Ga.
Pecan and fruit specialist, Ga., 9 yrs. —*b.* Utica, N. Y., Feb. 18, 1889; *s.* R. F. A. and Louise (Krieg) N.; *m.* Mary E. Creedon, Oct. 9, 1911. B.S.A., Cornell Univ., 1911.

Nixon, Harry Corwin, farmer and provincial sec. agr., St. George, Ont.
Lect., Ont. Agr. Coll. Mem. Parliament.—*b.* St. George, Ont., Apr. 1, 1891; *s.* Henry and Margaret (Gage) N.; reared on farm; *m.* Alice Jackson; *c.* Margaret Anna, Jack Corwin, Katharine Alice. B.S.A., Ont. Agr. Coll., 1913.

Noble, John William, agrl. rep., Essex, Ont.
Sec. Ont. Corn Growers Assoc., 1915-7; sec. Ont. Duroc-Jersey Breeders Assoc.—*b.* Hornings Mills, Ont., July 14, 1893; *s.* Wm. Geo. and Elizabeth (McGhee) N.; reared on farm; *m.* Anna Mildred Heather, Aug. 12, 1914; *c.* Fred Wm. Kitchener, Margery Elizabeth, Ada Dorothy. B.S.A., Ont. Agr. Coll. and Toronto Univ., 1913.

Nolan, Aretas Wilbur, asst. prof. agrl. educ., Univ. Ill., Urbana, Ill.
Princ. high-sch., Lima, Ind., 1904-8; assoc. prof. agrl. educ., W. Va. Univ., 1908-12; present position, 1912–; state superv. agrl. educ., 1918–. Sec. Nat. Collegiate Country Life Club. *Auth.:* One Hundred Lessons in Elementary Agriculture, 1911; Agriculture and Home Projects, 1916; The Teaching of Agriculture, 1918; A Year in Agriculture with Home Projects, 1918. *Asst. ed.*, Rural Educator.—*b.* Edgar Co., Ill., June 1, 1874; *s.* Fielden C. and Sarah M. (Pinson) N.; reared on farm; *m.* Myrta Phillips, Dec. 28, 1898; *c.* Phyllis M. A.B., Univ. Ind., 1905; M.S., W. Va. Univ., 1911. Kappa Alpha; Kappa Delta Pi.

Noland, David Reeves, dairy manufacturing specialist, U. S. Dept. Agr., Washington, D. C.
b. Crabtree, N. C., May 22, 1894; *s.* David R. and Etta (Reeves) N.; reared on farm. B.S., Cornell Univ., 1915.

Noll, Charles Franklin, assoc. prof. agron., Penn. State Coll., State College, Pa.
b. Green Park, Pa., July 22, 1878; *s.* Jonas and Rosanna (Hostetter) N.; reared on farm; *m.* Nora Crilly, Sept. 15, 1910; *c* John Jacob, Chas. Joseph, Wm. Edward, Alice Catherine. B.S., Penn. State Coll., 1906; M.S., Cornell Univ., 1911. Sigma Xi; Alpha Zeta; Phi Kappa Phi.

Norcross, Charles A., dir. agrl. ext., Univ. Nev., Reno, Nev.
Enrolling clerk, U. S. Senate, 1896-1904; comnr. agr., Nev., 1911-5.—*b.*

Reno, Nev., Nov. 6, 1866; *s.* Thos. W. and Caroline B. (Sherman) N.; reared on farm; *m.* Lydia Z. Lonkey, Feb. 26, 1896 (d. 1914). B.A., Univ. Nev.

Norgord, Christian Percival, comnr. of agr., Madison, Wis.

Princ. high-sch., 1899-1902; special agt. on barley breeding, U. S. Dept. Agr., 1905-6; agron., Univ. Ark., 1907-9; assoc. agron., Univ. Wis., 1909-13; supt. farmers insts., 1913-5; comnr. agr., 1915–. Pres. Wis. Exp. Assoc., 1910-4; sec. treas. Nat. Assoc. Comnrs. and Depts. of Agr., 1919–. (Agron.).—*b.* Frederickshaven, Denmark, Oct. 25, 1874; *s.* Jas. and Bertha (Hansen) H ; reared on farm; *m.* Effie M. Molley, July 29, 1902; *c.* Gladys, Lucile, Helen. Ph.B., Univ. Wis., 1903; B.S.Agr., 1905. Alpha Zeta.

Norris, George Wesley, co. agrl. agt., Court House, Annapolis, Md.

Truck farmer, Anne Arundel Co., Md., 1914-5. Second Lieut. Infantry, U. S. Army, 1918.—*b.* Huntington, W. Va., Apr. 18, 1888; *s.* John Byrd and Hattie Catherine (Bitzberger) N.; reared on farm and in town; *m.* Nellie I. Holmes, 1909 (d. 1917); *c.* Geo. W. Jr., Robt. B. B.S., Md. State Coll., 1919. Kappa Alpha.

Norton, Jesse Baker, plant-breeder, Hartsville, S. C.

Librarian, Mo. Bot. Gard., 1899-1900; asst., U. S. Dept. Agr., 1900; asst. ent., Kans. State Agr. Coll., 1900-2; asst. prof. plant-breeding, Cornell Univ., 1907-8; asst. physiologist, Bur. Plant Ind., 1902-7; physiologist, 1908-18; agrl. explorer, 1919-20. Fellow A. A. A. S. (Asparagus, spinach).—*b.* Leadvale, Tenn., Aug. 19, 1877; *s.* Samuel J. and Louisa (Kenyon) N.; reared in town and country. B.Sc., Kans. State Agr. Coll., 1897; M.Sc., 1901. Sigma Xi.

Norton, John Bitting Smith, bot. and plant path., Md. State Coll., College Park, Md.

Asst. bot., Kans. Exp. Sta., 1895-6; bot. asst., Mo. Bot. Gard., 1896-1901; prof. bot., Md. State Coll., 1901–. Sec. Md. State Hort. Soc., 1903-4; vice-pres. Amer. Dahlia Soc., 1915-8. Fellow A. A. A. S. (Euphorbiaceae, Mycosphaerella, tomato and seed diseases).—*b.* E. Tenn., Apr. 7, 1872; *s.* Samuel J. and Louisa (Kenyon) N.; reared in country and city; *m.* Gertrude J. Havens, 1897; 2d, Jennie Webster, 1907; *c.* Dorothy Viola, Frances Louise, Elizabeth Webster. B.S., Kans. State Agr. Coll., 1896; M.S., 1899.

Nourse, Edwin Griswold, prof. agrl. econ. and chief agrl. econ. sect. Exp. Sta., Ia. State Coll., Ames, Ia.

Instr., Wharton Sch. Commerce and Finance, Univ. Penn., 1909-10; prof. econ. and sociol., Univ. S. D., 1910-2; asst. political econ., Univ. Chicago, 1914-5; prof. econ. and sociol., Univ. Ark., 1915-8; present position, 1918–. Chm. com. on marketing, Amer. Assoc. for Agrl. Legislation. *Auth.:* Agricultural Economics, 1916; Outlines of Agricultural Economics, 1917; The Chicago Produce Market, 1918.—*b.* Lockport, N. Y., May 20, 1883; *s.* Edwin Henry and Harriet Augusta (Beeman) N.; reared in village; *m.* Ray Marie Tyler, Aug. 17, 1910. A.B., Cornell Univ., 1906; Ph.D., Univ. Chicago, 1915. Gamma Sigma Delta; Phi Kappa Phi.

Noyes, Harry Alfred, research chem. and bact. in chg. agrl. research for Welch Grape Juice Co. under auspices Mellon Inst. Ind. Research, Pittsburgh, Pa.

Research asst., Ind. Exp. Sta., 1914-7; research assoc. in hort. chem. and bact., 1917-8; present position, 1919–. (Hydrolytic mass action reactions of soils, plants and fruit juices).—*b.* Marlborough, Mass., July 7, 1890; *s.* Lambert Alfred and Bertha (Keirstead) N.; reared in city and country; *m.* Florence J. Fisherdick, June 25, 1913; *c.* Lorraine F., Arthur Alfred. B.S., Mass. Agr. Coll., 1912; M.S., 1914. Sigma Xi; Beta Kappa Phi.

Nuckols, Samuel B., asst. agrst., U. S. Dept. Agr., Washington, D. C.

Asst. prof. agron., W. Va. Univ., 1½ yrs.; asst. prof. agron., Colo. Agr. Coll., 1 yr.—*b.* Savannah, Mo., July 20, 1887; *s.* W. R. and M. F. (Snowden) N.; reared on farm; *m.* Winona Woodward, Sept. 2, 1913; *c.* Roland Woodward, Elizabeth. B.S.A., Univ. Mo., 1911; M.A., 1912. Alpha Zeta.

Nugent, Milton Benjamin, co. agrl. agt., Bloomfield, Ind.

Princ. high-sch., Attica, Ind., 1913-6; teach. agr., Newtown-Mellot high-sch., 1917.—*b.* Elnora, Ind., Mar. 9, 1887; *s.* John W. and Susan M. (Duke) N.; reared on farm; *m.* Mary Leona Gernon, 1916; *c.* John Gernon. A.B., Ind. State Normal Coll., 1911; A.M., Univ. Wis., 1916.

Nye, Claribel, asst. prof. ext. in home econ., Cornell Univ., Ithaca, N. Y.

Asst. state leader jr. ext., Cornell Univ., 1914-7; asst. emergency home dem. leader, 1917; asst. home conservation div., U. S. Food Adminis., Washington, 1918; present position, 1919-.—*b.* Auburn, N. Y., July 18, 1889; *d.* Jay P. and R. Anna (Hammond) N.; reared in city. B.S., Cornell Univ., 1914.

Nyhus, Paul O., co. agrl. agt., Waupaca, Wis.

Teach. agr., high-sch., Fairchild, Wis., 1915-7; asst. farm manag. dem. surveys, Univ. Wis., 1917.—*b.* Chippewa Falls, Wis., Apr. 18, 1894; *s.* O. J. and Anna P. (Anderson) N.; reared on farm. B.S., Univ. Wis., 1918.

Nystrom, Amer Benjamin, co. agrl. agt., Chehalis, Wash.

Instr. dairy mech. and testing, Ohio State Univ., 1907-9; instr. dairying, Kans. State Agr. Coll., 1909-10; instr., Wash. State Coll., 1910-2; asst. prof., 1912-4; prof., 1914-7; agt. Lewis Co., 1917-.—*b.* Ostergotland, Sweden, Feb. 19, 1885 (naturalized as minor); *s.* Adolf Frederick and Anna Matilda (Carlson) N.; reared on farm; *m.* Mamie C. Frey, June 25, 1911. B.S.A., Kans. State Agr. Coll., 1907. Alpha Zeta.

O

Oakley, Russell Arthur, agron., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Auth.: (with Piper) Turf for Golf Courses, 1917.—*b.* Marysville, Kans., Sept. 7, 1880; *s.* Thos. and Anna (McKee) O.; reared on farm; *m.* Bessie Clark Bell, Oct. 23, 1912. B.S., Kans. State Agr. Coll., 1903; D.Sc., Ia. State Coll., 1920.

Oates, Max Bruce, asst. to pres. Mo. Farm Bur. Fed., Nevada, Mo.

Agron., 2d Distr. Agrl. Sch., Russellville, Ark., 1910-1; sci. asst., Off. Farm Manag., U. S. Dept. Agr., 1912-5; asst. agrst., 1915-8; co. agrl. agt., Nevada, Mo., 1918-20; present position, 1920-. (Farm manag., an. husb.).—*b.* Pottsville, Ark., Aug. 21, 1883; *s.* Jas. Nealy and Sallie I. (Patrick) O.; reared on farm; *m.* Florence Tunis, Sept. 10, 1913. B.S.A., Univ. Ark., 1909.

O'Banion, Allan C., co. agrl. agt., Park Rapids, Minn.

b. Storm Lake, Ia., Sept. 15, 1886; *s.* E. L. and Fannie A. (Leavitt) O.; reared on farm and in town; *m.* Ida Nesseth, Aug. 3, 1918. B.S., Ia. State Coll., 1912. Gamma Sigma Delta; Phi Kappa Phi; Chi Sigma Chi.

Ober, Birch R., co. agrl. agt., Lock Haven, Pa.

b. New Enterprise, Pa., July 25, 1890; *s.* David H. and Elizabeth (Replogle) O.; reared on farm; *m.* Mary Berkebile, Oct. 15, 1919. B.S., Penn. State Coll., 1917. Alpha Delta Sigma.

O'Brien, Harry Russell, editorial staff, The Country Gentleman, Philadelphia Pa.

Asst. reference librarian, Ohio State Univ., 1910-2; asst. English, Okla. A. & M. Coll., 1912-3; instr. English and journalism, 1913-5; asst. prof. agrl. journalism, Ia. State Coll., 1915-9; present position, 1919-.—*b.* Union, O., Dec. 12, 1889; *s.* Geo. and Josephine (Pierce) O.; reared on farm. B.A., Ohio State Univ., 1910; M.A., 1912. Pi Kappa Alpha; Sigma Delta Chi; Alpha Zeta.

O'Donnell, Ignatius D., farmer, Billings, Mont.

Pres. Mont. first State Bd. Hort.; mem. State Fair Bd.; pres. Mont. Irrig. and Drainage Inst.; superv. irrig., U. S. Reclamation Serv., 5 yrs.; pres. Yellowstone Fed. Farm Loan Assoc. Farm ed., Reclamation Record, 5 yrs. (Irrig.).—*b.* Simcoe, Ont., Sept. 19, 1860 (naturalized 1864); *s.* Daniel and Margaret (McIntosh) O.; reared on farm; *m.* Louise Roeser, Oct. 31, 1887; *c.* Helene, Louise, Carol, Ignatius, Gustave, Kathleen.

Odum, Howard Washington, dean N. C. Sch. of Public Welfare and Kenon prof. sociol., Univ. N. C., Chapel Hill, N. C.

Instr., Univ. Miss., 1905-7; research agt., Bur. Municipal Research, Philadelphia, 1910-3; assoc. prof. educ. sociol. and rural educ., Univ. Ga., 1913-5; prof., 1915-8; supt. Univ. Summer Sch. for Teachers, 1916-8; dir. Bur. of Home Serv., S. Div. Amer. Red Cross, 1917-8; dean liberal arts, Emory Univ., 1918-9; present position, 1919–. Contributing ed., American Journal of Race Development.—*b.* Bethlehem, Ga., May 24, 1884; *s.* Wm. Pleasants and Mary Ann (Thomas) O.; reared on farm; *m.* Anna Louise Kranz, Dec. 24, 1910; *c.* Eugene Pleasants, Mary Frances. A.B., Emory Coll., Oxford, Ga., 1904; A.M., Univ. Miss., 1906; Ph.D., Clark Univ., 1909; Columbia Univ., 1910.

Offutt, Mary S., home dem. agt., Madison, Ga.

Teach. grades, public schs., Savannah, 12 yrs.; princ. Scarborough Sch., Ga., 2 yrs.; teach. dom. sci., Ga. Sch. for Deaf, 2 yrs.; home dem. agt. Morgan Co., 1918–.—*b.* Thomasville, Ga., July 16, 1872; *d.* B. S. MacGlashen; reared in city; *m.* W. C. Offutt, June 6, 1898; *c.* Selkirk M.

Ogaard, Arthur Joseph, ext. agron., Mont. State Coll., Bozeman, Mont.

Asst. dry land agr., Williston Exp. Sta., 1913-5; supt. Hettinger Exp. Sta., 1915-7; co. agrl. agt., Ft. Benton, Mont., 1917-20; present position, 1920–. —*b.* Louisburg, Minn., Mar. 9, 1890; *s.* R. A. and Hannah (Kopperad) O.; reared in town and on farm. B.S.A., N. D. Agr. Coll., 1913. Alpha Zeta; Phi Kappa Phi.

O'Gara, Patrick Joseph, dir. dept. agrl. and smelter by-products invests., Amer. Smelting and Refining Co., Salt Lake City, Utah.

Plant path. in chg. fruit disease invest., U. S. Dept. Agr., 1902-10; dir. Rouge River Fruit and Produce Assoc., Medford, Ore., 1910-4; special meteorological observer and local frost forecaster, U. S. Weather Bur., 1910-4; present position, 1914–. Fellow A. A. A. S.; Royal Meteorological Soc., London; mem. Royal Soc. Arts, London. Traveled in Mexico, Hawaii, Europe. *Assoc. ed.,* Better Fruit.—*b.* Coleridge, Neb., July 1, 1872; *s.* Roger Thos. and Bridget Susan (Hayes) O.; reared on farm; *m.* Anna Isabel Sloan, Nov. 1, 1906. B.S., Univ. Neb., 1902; Sc.D., 1917. Sigma Xi.

Ogden, Harry P., dir. dept. agr., Normal Sch., Murfreesboro, Tenn.

Head sci. dept., Clarksville high-sch. and agrl. agt., Montgomery Co., Tenn., 1913-5; present position, 1915–.—*b.* Knoxville, Tenn., Nov. 10, 1888; *s.* S. R. and Fannie (Purple) O.; reared on farm; *m.* Elsie Lapsley, Aug. 23, 1916; *c.* Samuel Lapsley. B.S.A., Univ. Tenn., 1913. Phi Kappa Phi; Alpha Zeta.

Ogilvy, Lyulph, writer, Denver Post, Denver, Colo.

Farmer, Greeley, Colo., 1880-1904; importer of live-stock. Special writer, Denver Post, and correspondent agrl. journals. Served in Spanish-American War, S. African War; Lieut. Scottish Horse, World War.—*b.* London, England, June 25, 1861; *s.* Earl of Airlie and Blanche (Stanley) A.; *m.* Edith Gertrude Boothroyd, 1902; *c.* Jack David Angus.

O'Kane, Walter Collins, prof. econ. ent. and ent. Exp. Sta., N. H. Coll., Durham, N. H.

Newspaper and magazine work, 1897-1909; asst. prof. econ. ent., N. H. A. & M. Coll., 1909-10; assoc. prof., 1910-1; prof., 1912–. Deputy comnr. of agr., N. H., 1913–; state nursery insp. Pres. Nat. Assoc. Econ. Ent., 1918-9. Traveled in S. America, 1900. *Auth.:* Injurious Insects, 1913; Jim and Peggy at Meadowbrook Farm, 1916.—*b.* Columbus, O., Nov. 10, 1877; *s.* Henry and Catherine (Van de Water) O.; reared in city; *m.* Clifford Hetherington, Dec. 30, 1902; *c.* Elizabeth, Catherine. Wm., Richard. B.A., Ohio State Univ., 1897; M.A., 1909. Sigma Xi; Beta Theta Pi.

Oldenburg, Frederic William, ext. agron., Md. State Coll., College Park, Md.

Prof. agr., Ia. State Teach. Coll., 1915-6; princ. Sch. Agr., Walsh Co., N. D., 1916-7; present position, 1917–. —*b.* Oshkosh, Wis., Dec. 30, 1873; *s.* Wm. and Wilhemina (Glowe) O.; reared

in city and on farm; *m.* Lillian O. Jensen, June 17, 1903; *c.* Lester, Margaret, Grace. B.S., Univ. Wis., 1915.

Oldham, L. L., co. agrl. agt., Elkhorn, Wis.
Asst. dir. ext. work for Great Northern Ry., 1913-4; manag. Jas. J. Hill farm, St. Paul, Minn., 1914-6; agt. Walworth Co., 1916-.—*b.* Madison, Wis., Sept. 23, 1889; *s.* Thos. W. and Helen Amintha (Latham) O.; reared on farm; *m.* Hilma Mae Critten, June 7, 1916; *c.* Jean Catherine. B.S.A., Univ. Wis., 1913. Alpha Zeta.

Oley, Warren Wilcox, co. agrl. agt., Bridgeton, N. J.
Farmer, Sparta, N. J., 1912-3; field asst. hort. dept., N. J. Exp. Sta., 1913-4; fruit specialist, ext. div., Rutgers Coll., 1914-5; co. agt., 1915-. Traveled through Mexico and Cent. Amer. for Tehuantipec Rubber Co.—*b.* Dunellen, N. J., Apr. 12, 1889; *s.* Chas. W. and Theodora I. (Wilcox) O.; reared in town and on farm; *m.* Grace Helen Clarke, Oct. 8, 1915; *c.* Warren Wheeler. B.Sc., Rutgers Coll., 1911.

Olin, Walter Herbert, superv. agr., Denver and Rio Grande R. R., Denver, Colo.
Rural sch. teach., 1880-6; princ. and supt. schs., Waverly, Ottawa, Osborne, Kans., 1890-1901; instr. farm crops, Ia. State Coll., 1902-4; prof. agron., Colo. Agr. Coll., 1904-6; vice-dean agr., 1906-8; ind. comnr., Denver, Laramie & N. W. Ry., 1908-11; dir. agrl. ext., Univ. Ida., 1911-4; comnr. agr., D. & R. G. R. R., 1914-6; superv. farm marketing, Frisco Lines, St. Louis, Mo., 1916-8; present position, 1918-. *Auth.:* Olin's Commercial Geography, 1900; American Irrigation Farming, 1913.—*b.* Walnut Grove, Calif., Aug. 7, 1862; *s.* Nelson and Harriett M. (Holly) O.; *m.* Winifred Estelle Cotton, Nov. 27, 1890 (d. 1910); 2d, Eleanor Lee, June 7, 1915; *c.* Helen, Walter Eugene. Grad. Kans. State Agr. Coll., 1889; M.Sc., 1893.

Olney, Albert Jackson, asst. prof. hort., Univ. Ky., Lexington, Ky.
Teach. sci. and agr., high-sch., Greenville, Mich., 1913-4; hort., Theo. N. Vail Agr. Sch., Lyndon, Vt., 1914-6; present position, 1916-.—*b.* Fremont, Mich., Apr. 15, 1888; *s.* Bert John and Alice (Beem) O.; reared on farm; *m.* Lydia Branstrom, July 8, 1914; *c.* Chas. Bert, Robt. Branstrom. B.S., Mich. Agr. Coll., 1913.

Olney, Raymond, ed. Power Farming and Power Farming Dealer, St. Joseph, Mich.
Ed., Farm Engineering, Springfield, O., 1913-5; present position, 1915-. Pres. Amer. Soc. Agrl. Engins., 1919-20.—*b.* Monroe Co., N. Y., Dec. 29, 1885; *s.* Amos M. C. and Martha (Collins) O.; reared on farm; *m.* Elisabeth Lloyd Watson, May 28, 1912. M.E., Cornell Univ., 1910; A.E., Ia. State Coll., 1920.

Olney, Roy A., instr. voc. agr., high-sch., Trumansburg, N. Y.
Teach. Union Acad., Belleville, N. Y., 1915-8; present position, 1918-.—*b.* Perinton, N. Y., June 4, 1891; *s.* A. M. C. and Martha (Collins) O.; reared on farm; *m.* Maryett G. Benson, Jan. 22, 1918; *c.* R. Chandler. B.S., Cornell Univ., 1915.

Olsen, Anna Margrethe, home dem. agt., Tipton, Ia.
Head food work, Univ. Neb., 1912-5; formerly asst. prof. home econ., Ia. State Coll.—*b.* Herscher, Ill., May 10, 1883; *d.* A. Chr. and Anna (Risetter) O.; reared on farm. B.Sc., Teachers Coll., Columbia Univ., 1912. Omicron Nu.

Olsen, Arnold Lauritz, co. agrl. agt., Munising, Mich.
b. Manistique, Mich., May 20, 1892; *s.* August and Hannah A. (Drevdahl) O.; reared in city. B.S., Mich. Agr. Coll., 1916.

Olson, George Alfred, state chem. and head div. chem., Wash. Exp. Sta., Pullman, Wash.
Asst. chem., Univ. Wis., 1902-3; asst. and instr. chem., 1903-8; asst. chem., Wash. Exp. Sta., 1908-10; chem., 1910-2; head div., 1912-; state chem., 1916-. Mem. State Hort. Bd. —*b.* Chicago, Ill., Dec. 11, 1874; *s.* Bernt and Karen (Andressen) O.; reared in city; *m.* Lucinda Marie Gafke, Nov. 28, 1906; *c.* Marjorie Georgiana. B.S.A., Univ. Wis., 1902; M.S., 1908.

Olson, Oscar Milton, co. agrl. agt., Roseau, Minn.

Farmers inst. worker, 1906-8; asst. supt. ext., Wash. State Coll., 1909-10; agrl. specialist ext., Univ. Minn., 1911-3; farmer, Montevideo, Minn., 1914-8. (Live-stock, farm crops).—*b.* Prior Lake, Minn., Jan. 21, 1872; *s.* Henry and Mary E. (Field) O.; reared on farm; *m.* Lillian D. Gallagher, Apr. 24, 1907; *c.* Jeanette Bernice. B.S., Univ. Minn., 1905.

Olson, Peter J., asst. prof. agron., Univ. Minn., University Farm, St. Paul, Minn.

Instr. agr., Putnam High-Sch., Alexandria, Minn., 1910-2; present position, 1913-.—*b.* Grafton, N. D., Oct. 12, 1887; *s.* Samuel and Nicoline (Anderson) O.; reared on farm; *m.* Myrtle May Stoltz, Sept. 2, 1914. B.S., N. D. Agr. Coll.; M.S., Univ. Ill., Alpha Zeta; Phi Kappa Phi.

Olson, Roy Lethrup, co. agrl. agt., Zumbrota, Minn.

b. Bertha, Minn., Mar. 29, 1894; *s.* Robt. and Augusta (Anderson) O.; reared on farm; *m.* Elizabeth Bryan, Jan. 1, 1918. B.S., Univ. Minn., 1916.

O'Neill, Charles Thomas, fruit-grower, Crozet, Va.

Instr. math., Fork Union Military Acad., 1912-3; grower apples and peaches, 1915-. Sec. Crozet Farmers and Fruit Growers Club, 1917-9.—*b.* Crozet, Va., Jan. 21, 1891; *s.* John Thos. and Nannie (Robertson) O.; reared in town; *m.* Jayne Gordon Warwick, Nov. 3, 1915; *c.* Chas. T. Jr. B.A., Richmond Coll., 1912; student Univ. Va., 1913-4. Kappa Alpha.

Oosterhuis, Alvin Cecil, dir. dairy ext., Carnation Milk Co., Oconomowoc, Wis.

Formerly asst. prof. an. husb., Univ. Wis. Traveled in Europe, 4 mos.—*b.* Sheboygan Falls, Wis., Dec. 8, 1884; *s.* Albert and Gertrude Ten (Dolle) O.; reared on farm. B.S.A., Univ. Wis., 1909; M.S.A., 1910.

Opperman, Charles Louis, supt. Ridgely Substa., Ridgely, Md.

State poultryman, Md., 1906-11; poultry expert, U. S. Dept. Agr., 1911-3; swine husb., Md., 1913-4; present position, 1914-. Former ed., Tri-State Farmer.—*b.* Staten Isl., N. Y., Sept. 30, 1885; *s.* Chas. Nickolas and Florence (Williams) O.; reared in town and country; *m.* Edna Gertrude Barrows, Dec. 19, 1910; *c.* Nancy Rideout. Special student, Cornell Univ.

Orr, Alfred W., co. agrl. agt., Livingston, Tex.

Agt. Hendricks Co., Ind., 1914-5; supt. farm of ex-vice-pres. C. W. Fairbanks, Green Co., Ill., 1916; present position, 1917-. (Boys' and girls' clubs).—*b.* Mt. Vernon, Mo., Sept. 4, 1875; *s.* John A. and Mary Frances (Scroggs) O.; reared on farm; *m.* Edith H. Dunlap, Dec. 29, 1897; 2d, Mary Elizabeth Stewart, June 18, 1913; *c.* Helen Pauline, Frances Anna. B.S.A., Univ. Mo., 1913.

Orr, William McGilvary, asst. in marketing, U. S. Bur. Markets, Bourse Bldg., Philadelphia, Pa.

Princ. Southern Ind. Inst., Charlotte, N. C., 3 yrs.—*b.* Statesville, N. C., Mar. 21, 1889; *s.* R. W. and Emelie (McGilvary) O.; reared on farm; *m.* Ethel L. Fowle, Oct. 25, 1916; *c.* W. M. Jr. B.S., Davidson Coll., N. C., 1910. Kappa Alpha.

Orton, Clayton Roberts, prof. plant path. and plant path. Exp. Sta., Penn. State Coll., State College, Pa.

Special agt., Bur. Plant Ind., 1909-10; asst. plant path., Univ. Wis., Feb.-Nov., 1910; asst. bot., Purdue Univ. Exp. Sta., 1910-3; asst. prof. bot. and plant path. Exp. Sta., Penn. State Coll., 1913-6; assoc. prof. bot., 1916-7; assoc. prof. plant path., 1917-9; prof., 1919-. Sec. Adv. Bd., Amer. Plant Path.; plant path. for Pa. on Amer. Plant Pest Com.—*b.* E. Hardwick, Vt., Apr. 1, 1885; *s.* Lyman S. and Ellen M (Stevens) O.; reared on farm; *m.* Ethel Chapman, Sept. 22, 1911; *c.* Jean. B.S., Univ. Vt., 1909; M.S., Purdue Univ., 1915. Sigma Xi; Alpha Zeta; Kappa Sigma.

Orton, William Allen, plant path., U. S. Dept. Agr., Washington, D. C.

Asst. bot., Vt. Exp. Sta. and instr., Univ. Vt., 1898-9; plant path., U. S. Dept. Agr., 1899-; in chg. cotton, truck and forage crop disease invests., Bur. Plant Ind. Fellow A. A. A. S. Vice-chm., Fed. Hort. Bd.; pres. Amer.

Phytopath. Soc., 1920. Del. to 4th Intern. Genetics Conference, Paris, 1911. *Ed.*, Phytopathology, 1918–. (Disease resistance, veg.-gard.).—*b.* N. Fairfax, Vt., Feb. 28, 1877; *s.* Gardner G. and Electa W. (Allen) O.; reared on farm; *m.* Helen A. Davis, Apr. 20, 1903; *c.* Helen Alberta, Alice Louise. B.S., Univ. Vt., 1897; M.S., 1898; Sc.D., 1915. Phi Beta Kappa.

Osborn, Herbert, research prof. zool. and ent., Ohio State Univ., Columbus, O.

Asst. zool. and ent., Ia. State Coll., 1879; asst. prof., 1883-5; prof., 1885-98; prof. zool. and ent., Ohio State Univ., 1898-1916; research prof., 1916–; dir. Lake Lab., 1899-1918; dir. O. Biol. Survey, 1912–. Pres. Soc. Promotion Agrl. Sci., 1917-8; pres. Assoc. Amer. Econ. Ent., 1898; pres. O. Acad. Sci., 1904; vice-pres. Sect. F., A. A. A. S., 1918. Traveled in Mexico and Europe. *Auth.:* Economic Zoology, 1908; Agricultural Entomology, 1916. Manag. ed., Annals Ent. Soc. of Amer., 1908–. (Hemiptera, meadow insects).—*b.* Lafayette, Wis., Mar. 19, 1856; *s.* Chas. Paine and Harriet Newell (Marsh) O.; reared in village; *m.* Alice Isadore Sayles, Jan. 19, 1883; *c.* Morse Foster, Herbert Tirrill, Evelyn, Dorothy, Margaret Stanton. B.Sc., Ia. State Coll., 1879; M.Sc., 1880; D.Sc., 1916.

Osborne, Thomas Burr, research chem., Conn. Exp. Sta., New Haven, Conn.

Asst. instr., Sheffield Sci. Sch., Yale Univ.; present position, 1886–; research assoc., Carnegie Inst. of Washington. Pres. Amer. Soc. Biol. Chem., 1910; hon. mem. London Chem. Soc.; assoc. mem. Société Royale des Sciences Médicales et Naturelles de Bruxelles. *Auth.:* Proteins of the Wheat Kernel, 1907; The Vegetable Proteins, 1909. *Assoc. ed.*, Journal of Biol. Chem. (Chem. veg. proteins, chem. of nutr.). —*b.* New Haven, Conn., Aug. 5, 1859; *s.* Arthur Dimon and Frances Louise (Blake) O.; reared in city; *m.* Elizabeth Annah Johnson, 1886; *c.* Arthur Dimon, Francis Blake. A.B., Yale Univ., 1881; Ph.D., 1885; Sc.D., 1910. Psi Upsilon.

Osburn, David Bethol, teach. voc. agr., State Orphan Home, Corsicana, Tex.

Farmer, Brazos Co., Tex., 1911-3, 1914-9; teach. agr., high-sch., Van Alstyne, Tex., 1913; present position, 1919–.—*b.* Colwich, Kans., Nov. 8, 1886; *s.* Geo. D. and Margaret E. O.; reared on farm; *m.* Bessie Anderson, Dec. 11, 1915. B.S., Kans. State Agr. Coll., 1911.

Osburn, Raymond Carroll, prof. and head dept. zool. and ent., Ohio State Univ., Columbus, O.

Instr. biol. and embryology, Starling Med. Coll., 1898-9; prof. biol., Fargo Coll., 1899-1902; teach. biol., N. Y. High-Sch. of Commerce, 1903-7; instr. and asst. prof. zool., Barnard Coll., 1907-15; acting dir., U. S. Fisheries Lab., Woods Hole, Mass., 1909; acting dir., N. Y. Aquarium, 1910-1; asst. dir., 1911-5; prof. biol., Conn. Coll., 1915-7; present position, 1917–. Fellow A. A. A. S., Ent. Soc. Amer. *Ed.*, Transactions of Amer. Fisheries Soc., 1913–. (Syrphidae, fishes and pond culture).—*b.* Newark, O., Jan. 4, 1872; *s.* Thompson E. and Elizabeth (Parr) O.; reared on farm; *m.* Mary Hubbell, Aug. 19, 1903. B.Sc., Ohio State Univ., 1898; M.Sc., 1900; Ph.D., Columbia Univ., 1906.

Osgood, Lee K., farmer, Rutland, Vt.

Pres. Rutland Co. Farm Bur.; treas. Vt. Fed. of Farm Burs. Del. to Amer. Farm Bur. Fed. (Seed potato production).—*b.* Rutland, Vt., May 29, 1853; *s.* Phineas K. and Ellen (Lee) O.; reared on farm; *m.* Estelle M. Kimball, Oct. 1, 1879; *c.* Winifred, Kingsley, Ellen P.

Oskamp, Joseph, hort., Fruit Exp. Sta., Mountain Grove, Mo.

Asst. hort., Purdue Exp. Sta., 1912-3; research asst. pom., 1914-6; assoc. pom., 1917-20.—*b.* Cincinnati, O., Jan. 22, 1888; *s.* Joseph A. and Elizabeth M. (Stall) O.; reared on farm; *m.* Achsa Moore, Oct. 26, 1914; *c.* Elizabeth. B.S., Univ. Mo., 1912. Sigma Xi.

Osmun, Albert Vincent, prof. bot. and head dept., Mass. Agr. Coll. and Exp. Sta., Amherst, Mass.

Asst., Storrs Exp. Sta., 1900-2; instr. bot., Mass. Agr. Coll., 1905-7; asst. prof., 1907-14; assoc. prof., 1914-6; prof. and head dept., 1916–. Bot., Mass. State Bd. Agr. Fellow A. A. A. S. (Plant path.).—*b.* Danbury, Conn., Jan. 20, 1880; *s.* John W. and Emma (Cook)

O.; reared in city and on farm; *m.* Lena E. Latimer, June 27, 1907; *c.* Kenneth L., John Vincent. B.Agr., Conn. Agr. Coll., 1900; B.S., Mass. Agr. Coll. and Boston Univ., 1903; M.Sc., 1905.

Ostby, Melvin Peter, co. agrl. agt., Walker, Minn.

Instr. agr., public schs., Pine River, Minn., 1914-8; agrl. agt. Cass Co., Minn., 1918-. (Live-stock, dairying). —*b.* Argusville, N. D., Aug. 18, 1890; *s.* Martin and Inger (Pernup) O.; reared on farm; *m.* Vivian L. Ralya, Sept. 1, 1918. B.S., N. D. Agr. Coll., 1914. Alpha Zeta.

Ostrander, Ward Adelbert, assoc. soils and crops, Purdue Univ., LaFayette, Ind.

Farm manag., Forrest City, Ark., 1911-3; asst. farm manag., Dicky Co., N. D., 1913; distr. agrl. agt., S. D. State Coll., 1914-6; farm manag. dem., 1916-8; farm help specialist, S. D., 1917. Dir. Boys' Working Reserve for S. D.—*b.* Oconomowoc, Wis., Nov. 15, 1888; *s.* Adelbert and Emma (Crandell) O.; reared on farm; *m.* Bernice Pendell, June 12, 1915; *c.* Reed Pendell, Max Howell. B.A., Lawrence Coll., Appleton, Wis., 1911; M.S.A., Univ. Wis., 1914. Delta Iota.

Otis, Daniel Henry, dir. Banker-Farmer Exchange, Madison, Wis.

Asst. agr., Kans. State Agr. Coll., 1892-6; asst. dairying, 1896-9; prof. dairy husb., 1899-1902; prof. an. husb., 1902-3; manag. Deming Ranch, Oswego, Kans., 1903-5; asst. and assoc. prof. an. nutr. and asst. to dean Coll. Agr., Univ. Wis., 1905-9; prof. farm manag., 1909-19; asst. dean, Coll. Agr., 1911-8. Pres. Amer. Farm Manag. Assoc.; sec.-treas. Amer. Soc. of An. Production. Y. M. C. A. sec., France; with Army Educ. Corp in chg. farm manag. work. *Auth.:* Farm Accounts Simplified, 1915; Household Accounts Simplified, 1916. Dairy ed., Kans. Farmer, 4 yrs.—*b.* Topeka, Kans., Mar. 30, 1872; *s.* John G. and Bina (Numan) O.; reared on farm; *m.* Mary E. Lyman, Aug. 17, 1899; *c.* Edward N., Grant L., Chas. K., Stanley J. B.S., Kans. State Agr. Coll., 1892; M.S., 1897.

Otis, James Clifford, teach. agr., Westtown Sch., Westtown, Pa.

Teach., N. Y. State Normal and Training Sch., Cortland, 1912-3; teach., Middletown high-sch., 1913-5; co. agrl. agt., Windsor Co., Vt., 1915-9.—*b.* Poplar Ridge, N. Y., Feb. 23, 1888; *s.* Jas. J. and Julia E. (Taber) O.; reared on farm; *m.* Cecile E. Mignault, July 18, 1914; *c.* Jas. C. Jr., Janet Mignault, Richard Taber. B.S., Cornell Univ., 1912. Kappa Phi.

Ousley, Clarence, pres. Sea Power Pub. Co., 528 17th St., Washington, D. C.

Ed. Farm and Ranch, Dallas, Tex., 1886; manag. ed., Galveston News, Galveston Tribune, Houston Post, 1889-1903; ed. Fort Worth Record, 1903-13; dir. ext., Tex. A.&M. Coll., 1914-9; asst. sec. agr., U. S. Dept. Agr., 1917-9. Mem. Amer. Comn. to study rural credits, Europe, 1913.—*b.* Lowndes Co., Ga., Dec. 29, 1863; *s.* Wm. Henry and Henrietta (Scruggs) O.; *m.* Mary Young, Nov. 8, 1888. A.B., A. & M. Coll., Auburn, Ala., 1881; A.M., Simmons Coll., Abilene, Tex., 1906. Phi Delta Theta.

Overbey, Norma, state home dem. agt., La. State Univ., Baton Rouge, La.

Asst. rural educ. dept., La. State Normal Sch., Natchitoches, 2½ yrs. Sec. rural educ. dept., La. State Teach. Assoc.—*b.* Bastrop, La., 1888; *d.* F. C. and Susan (Speights) O.; reared on farm. B.S., Peabody Coll., 1920.

Overholser, Earle Long, asst. prof. pom., Univ. Calif., Berkeley, Calif.

Instr. pom., Cornell Univ., 1914-7; asst. prof., 1917-8; exchange prof. from Cornell Univ., at Univ. Calif., 1918-9; present position, 1919-. (Cold storage and physiological problems of pom.).—*b.* Kansas City, Mo., Dec. 19, 1888; *s.* Milton P. and Fannie Elizabeth (Long) O.; reared on farm and in town; *m.* Grace Elizabeth McClary, Oct. 18, 1917. B.S.A., Univ. Mo., 1913; M.A., 1914. Sigma Xi; Gamma Sigma Delta; Gamma Alpha.

Owen, Daniel Bailey, field agt. in marketing and dir. Div. Markets, Dept. Agr., 313 Lyric Bldg., Richmond, Va.

Farmer and stockman, Denniston, Va., 1913-8; present position, 1918-.

Pres. local Farmers Union, 1914-9. (Live-stock raising and marketing).—*b.* Denniston, Va., Sept. 7, 1890; *s.* Daniel W. and Nannie (Hurdley) O.; reared on farm; *m.* Mollie Blanch Byerly, June 6, 1917; *c.* Nancy Lee. B.A., Washington & Lee Univ., 1912. Kappa Sigma.

Owens, George Washington, dir. agrl. dept., Va. Normal and Ind. Inst., Petersburg, Va.

Chg. dairy, Tuskegee Inst., 1899-1901; chg. div. dairy husb., 1901-8; present position, 1908–. Smith-Hughes agrl. teach. trainer for Va., 1919.—*b.* Alma, Kans., Jan. 21, 1875; *s.* Samuel T. and Anne (Gordon) O. (col.); reared on farm; *m.* Waddie Logan Hill, Aug. 30, 1901; *c.* Emma, Geo. Jr., Elnora. B.Sc., Kans. State Agr. Coll., 1899.

Owens, William White, asst. co. agt. leader, Utah Agr. Coll., Logan, Utah.

Co. agrl. agt., 1916-7; present position, 1918–. Traveled in Europe, 2½ yrs.—*b.* Willard, Utah, Apr. 3, 1888; *s.* Wm. P. and Agnes M. (White) O.; reared in town; *m.* Clotilda M. Woodyatt, Nov. 27, 1912; *c.* Richard W., Ruth. B.S., Utah Agr. Coll., 1916.

Ozlin, Herbert Warren, co. agrl. agt., Lynnhaven, Va.

Farm manag., 1910-8; present position, 1918–.—*b.* Lunnenburg Co., Va., May 20, 1888; *s.* Wm. Thos. and Emma J. (Andrews) O.; reared on farm; *m.* Linda L. Hite, June 30, 1914. Grad. Va. Poly. Inst., 1910.

P

Pacheco, Antonio, co. agrl. agt., Bernalillo, N. Mex.; 1885-1918. See Rus 1918.

Packard, Clyde Monroe, sci. asst., Bur. Ent., U. S. Dept. Agr., 600 26th St., Sacramento, Calif.

b. Cummington, Mass., Jan. 28, 1889; *s.* Chas. S. and Myra (Gurney) P.; reared on farm and in city; *m.* Lucy Mildred Adolphson, July 29, 1914; *c.* Margaret Anne. B.Sc., Mass. Agr. Coll., 1913. Phi Kappa Phi.

Packard. Edgar S., dir. country sch. dept., Ill. State Normal Univ., Normal, Ill.

Teach. rural sch., 1889-93; Logansport, Ind., city sch., 1893-7; instr. English, Winamac high-sch., Ind., 1897-1904; dir. dept. pedagogy, Grand Prairie Sem., Onarga, Ill., 1904-6; head English dept., State Normal Sch., River Falls, Wis., 1906-9; princ. co. normal sch., Berlin, Wis., 1909-14; present position, 1914–. *Auth.:* Picture Readings, 3d ed., 1918.—*b.* Macy, Ind., Aug. 21, 1869; *s.* Wm. B. and Anna (Wilkinson) P.; reared on farm; *m.* Harriett Brown, Apr. 2, 1892; *c.* Carroll D., Russell L., Paul C. Grad. Ind. State Normal, 1901; student Univ. Chicago, Univ. Wis.

Packard, Walter E., asst. prof. agrl. ext. and state leader of farm advs., Univ. Calif., Berkeley, Calif.

Secured irrig. farm in Ida. in 1908 through Carey Act; field asst. irrig. invest., U. S. Dept. Agr., 1909; asst. prof. agron. in chg. Imperial Valley Exp. Sta., El Centro, Calif., 1910-7; present position, 1917–. Traveled in Europe, 1905.—*b.* Oak Park, Ill., Feb. 22, 1884; *s.* Samuel Ware and Clara A. (Fish) P.; reared in town; *m.* Emma Leonard, Dec. 20, 1910; *c.* Clare Eleanor, Emma Louis. B.S.A., Ia. State Coll., 1907; M.S., Univ. Calif., 1910. Beta Theta Pi; Alpha Zeta.

Paddock, Wendell, prof. hort., Ohio State Univ., Columbus, O.

Asst. hort., N. Y. Agr. Exp. Sta., Geneva, 1893-9; hort., Colo. Agr. Coll. and Exp. Sta., 1899-1909; present position, 1909–. Fellow A. A. A. S. *Auth.:* (with Whipple) Fruit-Growing in Arid Regions, 1910. (Pom.).—*b.* Three Oaks, Mich., July 12, 1866; *s.* Steven Tappan and Aurelia (Butler) P.; reared on farm; *m.* Jessie G. Francis, Dec. 23, 1895; *c.* Francis, Elizabeth, Evelyn. B.S., Mich. Agr. Coll., 1893; M.S., 1898.

Page, Logan Waller, dir. Off. Public Roads and Rural Engin., U. S. Dept. Agr., Washington, D. C.; 1870-Dec. 9, 1918. See Rus 1918.

Pailthorp, Raymond R., invest. in transportation of fruits and vegetables, Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Asst. hort., Del. Exp. Sta., and asst. prof. hort., Del. Coll., 1913-7; present

position, 1917–.—*b.* Petoskey, Mich., Apr. 11, 1889; *s.* Chas. Jas. and Jessie (Westcott) P.; reared on farm; *m.* Isabel Smith, June 16, 1916; *c.* Robt. Westcott. B.S., Mich. Agr. Coll., 1913.

Painter, Stanley Cole, co. agrl. agt., North Hero, Vt.

Instr. agr., high-sch., Kittaning, Pa., Sept.-Nov., 1917; pig club leader, Vt. and N. H., 1917-8; pig club leader and sheep specialist, Univ. Vt., 1918-9; present position, 1919–. Served in Air Serv., U. S. Army, 1918.—*b.* Kittaning, Pa., Dec. 21, 1891; *s.* Jas. A. and Mary (Bowser) P.; reared on farm; *m.* Florence Swank, July 18, 1918; *c.* Donald Watt. B.S., Penn. State Coll., 1917.

Palmer, Charles Conger, prof. and head dept. bact., physiol. and hygiene, Del. Coll., Newark, Del.

Instr. vet. med., Univ. Minn., 1913-5; asst. prof. physiol. and vet. sci., 1915-7; present position, 1917–. Vet. ed., Farmers' Dispatch. Lieut. Vet. Corps, U. S. Army.—*b.* Canton, O., July 20, 1892; *s.* Chas. Curtis and Jula (Conger) P.; reared in city and on farm; *m.* Lucile Hamilton Long, Sept. 4, 1913. D.V.M., Ohio State Univ., 1912; M.S., Univ. Minn. Alpha Psi.

Palmer, Clayton Franklin, superv. agr., Los Angeles city schs., S. Pasadena, Calif.

Asst. agrst., Storrs Exp. Sta., 1898-9; instr. agr., State Normal Sch., Mansfield, Pa., 1899-1902; instr. nat. sci., high-sch., Palo Alto, Calif., 1903-7; instr. agr., Los Angeles State Normal, 1907-10; head agrl. dept., Gardena Agrl. High-Sch., 1910-2; present position, 1912–.—*b.* Stockbridge, Mass., Aug. 6, 1876; *s.* Franklin A. and Sarah E. (Buck) P.; reared on farm; *m.* Jessie S. Bowen, July 29, 1900; *c.* Carolyn Spencer. B.S., Mass. Agr. Coll., 1897; M.A., Stanford Univ., 1905.

Palmer, Leroy Sheldon, assoc. prof. agrl. biochem. and dairy chem. Exp. Sta., Univ. Minn., University Farm, St. Paul, Minn.

Chem., Dairy Div., U. S. Dept. Agr., 1909-11; in chg. coop. research lab., Univ. Mo., 1911-3; asst. prof. dairy chem., 1913-9; present position, 1919–. Fellow A. A. A. S.—*b.* Rushville, Ill., Mar. 23, 1887; *s.* Samuel Cornelius and Anna Jane (Goodman) P.; reared in city; *m.* Nina Gay Wilcox, Sept. 14, 1911; *c.* Bess Wilcox, Leroy S. Jr. B.S., Univ. Mo., 1909; M.A., 1911; Ph.D., 1913. Sigma Xi; Tau Beta Pi; Alpha Chi Sigma; Gamma Sigma Delta; Phi Mu Alpha.

Palmer, Stella, prof. and state superv. home econ., Univ. Ark., Fayetteville, Ark.

Instr. home econ., Coll. for Women, Tallahassee, Fla., 1912-5; head dept. home econ., Ala. Tech. Inst. and Coll., Monticello, 1915-6; asst. prof. home econ., Univ. Minn., 1917-8; present position, 1918–. Chm. home econ. sect., Ark. Teach. Assoc.; state chm. legislative com., Amer. Home Econ. Assoc.—*b.* Tuscaloosa, Ala., Mar. 13, 1890; *d.* Thos. W. and Lulu (Rainer) P. B.S., Univ. Ala., 1908; A.M., Columbia Univ., 1910; grad. student, Univ. Wis., 1916-7. Phi Beta Kappa; Omicron Nu; Kappa Delta.

Palmer, Theodore Andrew, prof. an. husb. and farm manag., Riggs Sch., Lakeville, Conn.

Dairyman, H. A. Kiebey, Warwick, R. I., 1916-7; instr. an. husb., R. I. State Coll., 1917-8; present position, 1919–. Served in U. S. Army, 1918.—*b.* Hopkinton, R. I., Dec. 17, 1893; *s.* Everette P. and Annie (Jackson) P.; reared on farm; *m.* Ruth Townley, Feb. 27, 1919. B.S., R. I. State Coll., 1916. Beta Phi.

Palmer, William Carl, ed. publications N. D. Agr. Coll., Agricultural College, N. D.

In chg. Substa., Lynd, Minn., 1898-1901; with U. S. Bur. Soils, 1902-3; farmers inst. lect., Minn., 1904-5; dean Winona Agr. Coll., Ind., 1905-9; present position, 1910–. Sec. Tri State Grain and Stock Growers Convention, 5 yrs.—*b.* Hudson, Wis., Aug. 20, 1873; *s.* Andrew J. and Louisa (Johnson) P; reared on farm; *m.* Avis Margaret Johnston, June 14, 1906. B.A., B.S., Univ. Valparaiso, 1896; B.S.A., Univ. Minn., 1900; M.S., Univ. Valparaiso, 1908.

Palmer, William Henry, state leader boys' and girls' club work, Ohio State Univ., Columbus, O.

Ext. specialist an. husb., Ohio State Univ., 1912-6; present position, 1916–. Farmer, 1907-12.—*b.* Fairfield Co., O., July 9, 1882; *s.* John and Emily (Miller) P.; reared on farm; *m.* Leila Sherwood Work, June 18, 1912; *c.* Karl Work, Dean Wm. B.S.A., Ohio State Univ., 1905; M.S.A., 1907. Alpha Zeta.

Park, Jay Boardman, prof. farm crops, Ohio State Univ., and assoc. agron. Exp. Sta., Columbus, O.

Asst. chem., Ill. Exp. Sta., 1908-11; assoc. plant-breeding, 1911-4; present position, 1916–. *Assoc. ed.*, Ohio Journal of Science, 1918–. (Plant-breeding). —*b.* Clarence, Ill., Jan. 30, 1884; *s.* Robt. Calvin and Harriet Grace (Holler) P.; reared on farm; *m.* Mary Ethel Nation, Aug. 31, 1909; *c.* Robt., Jean Eloise. B.A., Univ. Ill., 1908; M.S., 1912; Sc.D., Harvard Univ., 1916. Sigma Xi; Sigma Chi; Gamma Alpha.

Parke, Leland Stanford, state club leader, Univ. Ariz., Tucson, Ariz.

Farmer, Salt River Project, Ariz., 2 yrs.; agrl. field agt., 2 yrs.—*b.* Paullina, Ia., Nov. 24, 1886; *s.* Frank Leslie and Jennie (Morehouse) P.; reared in town. B.S., Ia. State Coll., 1911. Phi Kappa Psi.

Parker, Charles Stewart, dir. div. hort., Tuskegee Inst., Tuskegee, Ala.

Supt. Unity Orchards, Brewster, Wash.; manag. Hillsdale Farms, Freeman, Wash.; worked in Adolph Busch gardens Pasadena Calif., with Luther Burbank and in chg. orchard Gen. Harrison Grey Otis, Hollywood. Invest. hort. conditions in Mex., 1912. Capt. Infantry, U. S. Army; served as a regimental adjutant with A. E. F.—*b.* Corinne, Utah, Mar. 31, 1882; *s.* John B. and Ordella D. (Reyno) P.; reared in suburbs; *m.* Annice M. Lewis, Dec. 18, 1902. Student Wash. State Coll. and Univ. Calif.

Parker, John H., assoc. prof. farm crops, Kans. State Agr. Coll. and agt., U. S. Bur. Plant Ind., Manhattan, Kans.

Sci. asst., Bur. Plant Ind., U. S. Dept. Agr., 1913-7; present position, 1917–. (Plant-breeding).—*b.* St. Paul, Minn., Aug. 13, 1891; *s.* Chas. D. and Frances (Comings) P.; reared in town; *m.* Marjorie E. Marchbank, June 25, 1917. B.S., Univ. Minn., 1913; M.S., Cornell Univ., 1916. Alpha Zeta; Gamma Sigma Delta.

Parker, Ralph Coy, distr. rep. Nat. Lime Bur., Washington, D. C.

Formerly co. agrl. agt., Suffolk Co., N. Y.—*b.* Spencerport, N. Y., May 20, 1890; *s.* Chas. R. and Hattie (Coy) P.; reared on farm; *m.* Mildred Hallett, Feb. 9, 1918; *c.* Marjorie. Commercial course, Rochester Business Inst., 1911; B.S., Cornell Univ., 1917. Alpha Gamma Rho.

Parker, Robert Stewart, co. agrl. agt., Haynesville, Ala.

b. Ala., Apr. 24, 1876; *s.* Robt. M. and Virginia (Stewart) P.; reared on farm; *m.* Gertrude Dickinson, 1904; *c.* Lucy, Robt., Dorothy. Student Ala. Poly. Inst., 1893-6; Miss. A. & M. Coll., 1897-8; Univ. Minn., 1898-1900.

Parker, Thomas A., co. agrl. agt., Angola, Ind.

Teach. voc. agr., Metz, Ind., 1917-8; present position, 1918–.—*b.* Atwood, Ind., Jan. 12, 1890; *s.* Elijah J. and Ada M. (Orr) P.; reared on farm; *m.* Esther H. Parker, Jan., 1917; *c.* Thos. A. Jr. A.B., Winona Fed. Coll., 1917; B.S.A., Winona Coll. Agr., 1915.

Parker, William Bell, manag. Holmes Date Gardens, Indio, Calif.

With Bur. Ent., U. S. Dept. Agr., 1911-4; formerly asst. prof. agrl. ext., Univ. Calif., and farm adv., Ventura. (Dates).—*b.* Minneapolis, Minn., Dec. 27, 1885; *s.* Wm. W. and Harriet E. (Bell) P.; reared in small town; *m.* Helene B. Sutliff; *c.* Helen Margaret. B.S., Univ. Calif., 1910; M.S., 1912. Sigma Xi; Alpha Zeta.

Parkhurst, Raymond Thurston, ext. asst. prof. poultry husb., Ia. State Coll., Ames, Ia.

b. Everett, Mass., Apr. 24, 1898; *s.* Fred Lincoln and Celeste E. (Thurston) P.; reared in city and on farm. B.S., Mass. Agr. Coll., 1919. Kappa Sigma.

Parkinson, Harry Glenn, prof. agrl. educ., Penn. State Coll., State College, Pa.

Teach. Amer. Farmers' Sch., Minneapolis, 1913-5; Mt. Pleasant Voc. Sch.

1915-7; present position, 1917-.—*b.* Time, Pa., May 16, 1890; *s.* John L. and Caroline (Simpson) P.; reared on farm; *m.* Mary Hope Patton, Dec. 28, 1910; *c.* John Patton, Alice Jane, Harry G. Jr., Edwin W. A.B., Waynesboro Coll., 1911; B.S.A., Univ. Ill., 1913. Phi Sigma; Tau Kappa Epsilon.

Parks, Thaddeus H., ext. prof. ent., Ohio State Univ., Columbus, O.
Sci. asst., Bur. Ent., U. S. Dept. Agr., 1909-13; ext. ent., Univ. Ida., 1913-5; ext. ent., Kans. State Agr. Coll., 1916-8; present position, 1918-.—*b.* Ashville, O., Feb. 14, 1887; *s.* Wm. A. and Harriet A. (Hedges) P.; reared on farm; *m.* Martha Dyer, Aug. 20, 1913; *c.* Richard, Ruth. B.S.A., Ohio State Univ., 1909.

Parrott, Percival John, ent., N. Y. Agr. Exp. Sta., Geneva, N. Y.
Asst. ent., Kans. State Agr. Coll., 1898-9; asst. ent., N. Y. Agr. Exp. Sta., Geneva, 1900-2; ent., Ohio Exp. Sta., 1902-4; present position, 1904-. Fellow A. A. A. S.; fellow Ent. Soc. of Amer. Vice-pres. Amer. Assoc. Econ. Ent., 1910, pres., 1914; mem. adv. com., Journal Econ. Ent., 1915-; mem. exec. com., Ent. Soc. of Amer., 1916; ent., Kans. Hort. Soc., 1898-9; N. Y. State Fruit-Growers Assoc., 1905-10; W. N. Y. Hort. Soc., 1905-17.—*b.* Croydon, England, May 28, 1874 (naturalized as minor); *s.* Joseph and Emma (Belgrove) P.; reared on farm; *m.* Florence Mildred Hubbard, Sept. 5, 1906; *c.* Florence Margaret, Percival John. A.B., Kans. State Univ., 1897; A.M., 1898. Phi Beta Kappa; Sigma Xi.

Parry, William Theodore, co. agrl. agt., Elk River, Minn.
Agrl. dir., high-sch., Elk River, Minn., 1912-6; St. Cloud, 1916-8; present position, 1918-. (Farm crops).—*b.* Linwood, Kans., Oct. 9, 1889; *s.* Hugh and Sarah Esther (Tudhope) P.; reared on farm; *m.* Etta Fay Reid, June 16, 1913; *c.* Theodore Albert, Esther Laura. B.S.A., Kans. State Agr. Coll., 1912.

Parsons, Thomas Smith, ext. agron. and soil specialist, Univ. Wyo., Laramie, Wyo.
Instr. preparatory dept., S. D. State Coll., 1899-1900; princ. and instr. sci., high-sch., Watertown, S. D., 1902-6; Durango, Colo., 1906-9; prof. agron., Univ. Wyo., 1910-8; present position, 1918-. State seed analyst for Wyo., 1912-.—*b.* Ivinghoe, England, Aug. 5, 1873 (naturalized as minor); *s.* Henry and Emily (Williams) P.; reared on farm; *m.* Mabel Doughty, June 25, 1902; *c.* Celia H., Henry O. B.S., S. D. State Coll., 1897; M.S., 1898.

Partridge, Newton Lyman, ext. asst. prof. pom., Ia. State Coll., Ames, Ia.
Research hort., Del. Exp. Sta., 1919-20; present position, 1920-. 1st Lieut. and Capt. Field Artillery, U. S. Army, 1917-9; served in A. E. F.—*b.* Chicago, Ill., Dec. 10, 1890; *s.* Newton A. and Nellie (Hammond) P.; reared in city. B.S., Univ. Ill., 1913; M.S., 1914; Ph.D., 1917. Sigma Xi; Sigma Phi Sigma.

Patch, Edith Marion, ent., Me. Exp. Sta., Orono, Me.
Teach. English and zool., high-sch., Hastings, Minn., 1901-2; teach. English, high-sch., Crookston, 1902-3; present position, 1903-. Fellow A. A. A. S.; fellow Ent. Soc. of Amer. *Auth.:* Dame Bug and Her Babies, 1913; How Laddie Tells the Time o' Year, 1914; A Little Gateway to Science, 1920.—*b.* Worcester, Mass., July 27, 1876; *d.* Wm. Whipple and Salome (Jenks) P.; reared on farm. B.S., Univ. Minn., 1901; M.S., Univ. Me., 1910; Ph.D., Cornell Univ., 1911. Sigma Xi; Phi Kappa Phi; Delta Delta Delta.

Patch, Gifford Jr., co. agrl. agt., Stanton, Mich.
Asst. lab. instr. soils, Mich. Agr. Coll., 1915-6; teach. agr. and sci., high-sch., Mt. Pleasant, Mich., 1916-8; agt. Montcalm Co., 1918-.—*b.* Liberty, Mich., July 14, 1890; *s.* Gifford and Lavina (McGraw) P.; reared on farm; *m.* Frances E. Kirk, Aug. 31, 1916; *c.* Frances K. B.S., Mich. Agr. Coll., 1916.

Pate, H. Oscar, prof. agrl. econ. and chg. editorial work, Miss. A. & M. Coll., Agricultural College, Miss.
b. Coffeeville, Miss., Oct. 14, 1886; *s.* H. P. and Martha Camelia (Farrell) P.; reared on farm; *m.* Ethel Liware Kirby, Dec. 25, 1912; *c.* Hal Payson. A.B., Univ. Miss., 1911; M.Sc., Miss. A. & M. Coll., 1913.

Pate, William Franklin, agron., N. C. Dept. Agr., W. Raleigh, N. C.
Asst. chem., Ill. Exp. Sta., 1902-6; asst. chem. in soils, Ohio Exp. Sta., 1907-10; instr. chem., N. C. State Coll., 1911-3; present position, 1913–.—*b.* Snow Hill, N. C., May 22, 1881; *s.* MacDonald and Zilphia (Edwards) P.; reared in town; *m.* Faye Packer Blayney, Nov. 21, 1910; *c.* Wm. McDonald, Nancy Lee. B.S., N. C. State Coll., 1901; M.S., 1913. Alpha Zeta.

Paterson, Andrew Minie, assoc. prof. an. husb., Kans. State Agr. Coll., Manhattan, Kans.
Asst. an. husb., Kans. State Agr. Coll., 1913-4; instr., 1915-6; asst. prof., 1917-8; assoc. prof., 1919–.—*b.* Brantford, Canada, Aug. 15, 1886 (naturalized 1918); *s.* Jas. and Maria (Mayled) P.; reared on farm; *m.* Medeleine Baird, Apr. 10, 1915. B.S., Kans. State Agr. Coll., 1913. Beta Theta Pi.

Paterson, Frank Chester, agrl. rep., Huntsville, Ont.
b. Ellesmere, Ont., Apr. 8, 1894; *s.* Arch J. and Mary (Chester) P.; reared on farm; *m.* Eva McGregor, June 15, 1917. B.S.A., Ont. Agr. Coll., 1915.

Patrick, Austin L., asst. prof. soil tech., Penn. State Coll., State College, Pa.
Sci. in soil survey, Bur. Soils, U. S. Dept. Agr., 1913-9; present position, 1919–.—*b.* Scranton, Pa., Aug. 23, 1889; *s.* H. N. and Ella (Lathrop) P.; reared on farm and in city; *m.* Marguerite B. Paysen, July, 1915; *c.* Austin L. Jr. B.S., Penn. State Coll., 1913. Theta Xi.

Patridge, Katye Lavennia, home dem. agt., Holly Springs, Miss.
b. Lodi, Miss., Oct. 30, 1898; *d.* W. H. and Bell (Townsend) P.; reared on farm.

Pattee, Richard, sec.-manag. New England Milk Producers Assoc., 26 Broad St., Boston, Mass.
Master N. H. State Grange. Sec.-treas. Amer. Devon Cattle Club. Mem. N. H. Bd. Agr.; N. H. cattle comnr.—*b.* Alexandria, N. H., Apr. 27, 1872; *s.* Samuel L. and Lucy E. (Kelley) P.; reared on farm; *m.* Esther E. Ellis, Oct. 15, 1905; *c.* Samuel W., Mary E. Student Univ. Minn., Dartmouth Coll.

Patten, Andrew Jarvis, chem., Mich. Exp. Sta., E. Lansing, Mich.
Asst. chem., Me. Exp. Sta., 1897-1900; asst. chem., N. Y. Agr. Exp. Sta., 1900-5; present position, 1905–.—*b.* Frank W. and Martha (Campbell) P.; reared in town; *m.* Helena M. Dyer, May 1, 1911. B.S., Univ. Me., 1897; studied Univ. Heidelberg, 1902-3. Phi Kappa Phi; Alpha Tau Omega.

Patterson, Charles A., co. agrl. agt., Cherokee, Okla.
Agron., Atchison Co. high-sch., Kans., 1914-5; agron., Cornell State Sch. Agr., Helena, Okla., 1915-7; agrl. agt. Alfalfa Co., 1917–. (Soils).—*b.* Ford, Kans., Oct. 26, 1890; *s.* Alfred N. and Nellie (Craig) P.; reared on farm; *m.* Maude Marshall, Dec. 29, 1914; *c.* Chas. Alfred. B.S., Kans. State Agr. Coll., 1914.

Patterson, Clarence David, co. agrl. agt., Madison, Minn.
Instr. agr., high-sch., Apr.-Dec. 1917; ext. specialist farm manag., Univ. Minn., 1917-9; present position, 1919–. Served in U. S. Navy, 3 mos.—*b.* Sibley, Ia., Nov. 1, 1890; *s.* Leslie S. and Ida (Martin) P.; reared on farm; *m.* Ruth Etta Fulton. Grad. Univ. Minn., 1916. Alpha Gamma Rho.

Patterson, Harry Jacob, dir. Md. Exp. Sta., College Park, Md.
Asst. chem., Penn. Exp. Sta., 1886-8; chem., Md. Exp. Sta., 1888–; dir., 1898–; pres. Md. Agr. Coll., 1913-7. Fellow A. A. A. S. Pres. Assoc. of Official Agrl. Chem.—*b.* Yellow Springs, Pa., Dec. 17, 1867; *s.* Wm. Calvin and Adaline (Mattern) P.; reared on farm; *m.* Elizabeth Hayward Hutchinson, Oct. 25, 1895; *c.* Blanche Seely, Wm. Calvin. B.S., Penn. State Coll., 1886; D.Sc., Md. Agr. Coll., 1912.

Patterson, Howard F., farmer, Aberdeen, S. D.
Asst. prof. agron. and princ. Sch. Agr., Mont. State Coll., 1909-12; supt. S. D. Better Farming Assoc., 1912-5; seedsman, farmer and rancher, 1915–. Pres. Bath State Bank. Pres. Interstate Live-Stock Breeders Assoc.; sec. Brown Co. Agrl. Ext. Assoc. *Ed.*, Northwestern Stockman and Farmer, Helena, Mont., 1909-11.—*b.* Burt, Ia., Mar. 30, 1886;

s. Geo. N. and Elizabeth (Mackay) P.; reared on farm; m. Genevieve Harris, Aug. 6, 1913; c. Harris H., Ann Elizabeth. B.S., Ia. State Coll., 1909. Delta Theta Sigma.

Pattison, Benjamin Purdy, co. agrl. agt., Escanaba, Mich.
Prof. an. husb., W. Va. Univ., 1913-4; athletic coach, Purdue Univ., 1914-7; agt., Delta Co., Mich., 1917-.—b. Caro, Mich., Oct. 9, 1890; s. Jas. and Mary May P.; reared on farm; m. Elsie Mathes, Apr. 17, 1918. B.S.A., Mich. Agr. Coll., 1912.

Patton, Fitzgerald E., co. agrl. agt., Burnsville, N. C.
b. Pisgah Forest, N. C., Dec. 1, 1891; s. Robt. E. and Minnie (Fitzgerald) P.; reared on farm. B.S., N. C. State Coll., 1914.

Payson, James Milford, asst. dir. N. Y. State Sch. Agr., Canton, N. Y.
Minister, 30 yrs.; sec. N. Y. State Sch. Agr., 1907-17; asst. dir., 1917-. Trustee St. Lawrence Univ.—b. S. Freedom, Me., Apr. 13, 1848; s. Sion Wentworth and Mary (St. Clair) P.; reared on farm; m. Flora A. Bassett, June 13, 1874; c. Clarence, Clara. D.D., St. Lawrence Univ., 1900. Theta Gamma.

Paxton, Edward Coleman, field agt., U. S. Bur. Crop Estimates, Federal Bldg., Topeka, Kans.
Prof. math., high-sch., Olathe, Kans., 1908-9; supt. schs., Gardner, 1909-12; Spring Hill, 1912-4; field agt., Bur. Crop Estimates, in Utah and Nev., 1914-7; in Kans., 1917-.—b. Garnett, Kans., Dec. 18, 1882; s. Nathaniel J. and Mary (Kirkton) P.; reared on farm; m. Ann Montgomery, Aug. 31, 1910; c. Patricia Clare. A.B., Coll. Emporia, 1908.

Peairs, Leonard Marion, prof. ent. and ent. Exp. Sta., W. Va. Univ., Morgantown, W. Va.
Instr. ent. and zool., Md. Agr. Coll., 1908-9; prof., 1909-10; instr. ent., Kans. State Agr. Coll., 1910-2; assoc. prof. ent., W. Va. Univ., 1912-3; prof., 1913-. (Temperature as a biol. factor).—b. Lawrence, Kans., June 5, 1886; s. Chalmers Addison and Susan (Banta) P.; reared on farm and in town; m. Edith Pennington, June, 1915; c. Chalmers Addison, Dorothea Janet. B.S.A., Kans. State Agr. Coll., 1905; M.S., 1907; grad. student and fellow, Univ. Chicago, 1916-7. Sigma Xi; Phi Kappa Phi.

Pearl, Raymond, prof. biometry and vital statistics, Sch. Hygiene and Public Health, Johns Hopkins Univ., Baltimore, Md.
Asst. zool., Univ. Mich., 1889-1902; instr., 1902-6; instr., Univ. Penn., 1906-7; biol. and head dept., Me. Exp. Sta., 1907-18; present position, 1918-; lect. Grad. Sch. Agr., Ames, Ia., 1910, E. Lansing, Mich., 1912. Chief statistician, U. S. Food Adminis., 1917-9; dir. central statistical Bur., Baltimore Alliance, 1920-. Mem. Nat. Acad. Sci.; Amer. Philosophical Soc. Fellow Amer. Acad. Arts and Sci. Hon. sec. Intern. Assoc. Poultry Instrs. and Invests.; mem. Intern. Eugenics Council; hon. mem. Imperial Russian Soc. for Aviculture. Mem. exec. com. and chm. agr. comn., Nat. Research Council, 1915-8. *Auth.:* Variation and Differentiation in Ceratophyllum, 1907; (with A. B. Clawson) Variation and Correlation in the Crayfish, 1907; (with Surface and Curtis) Poultry Diseases and Their Treatment, 1911; Modes of Research in Genetics, 1915; Diseases of Poultry, 1915; (with E. P. Matchett) Reference Handbook of World Food Statistics in Relation to the War, 1918; The Nation's Food, 1920. *Assoc. ed.,* Journal Applied Microscopy, 1900-5; Zool. Jahresber, 1906-7; Biometrika, 1906-10; Zentrlbl. allg. Biol., 1910-5; Journal Agricultural Research, 1914-8; Genetics, 1915-; Journal Experimental Zoology, 1915-; chm. editorial bd., Proc. Nat. Acad. Sci., 1916-.—b. Farmington, N. H., June 3, 1879; s. Frank and Ida May (McDuffie) P.; reared in town; m. Maud Mary De Witt, June 29, 1903; c. Ruth De Witt, Penelope Mackay. A.B., Dartmouth Coll., 1899; Ph.D., Univ. Mich., 1902; D.Sc., Dartmouth Coll., 1919; LL.D., Univ. Me., 1919. Phi Kappa Psi.

Pearse, Rubee Jeffery, lands. arch., 703 Youngerman Bldg., Des Moines, Ia.
Ext. asst. in lands. arch., Ia. State Coll., 1915-6; ext. asst. prof., 1916-8; assoc. prof., 1918-9; pres. Pearse, Rob-

inson & Sprague, Inc., 1919–. Sec. Nat. Soc. Ext. Lands. Workers. In Air Serv., U. S. Army, 1 yr. (Farmstead planning).—*b.* Geneva, Ia., May 21, 1887; *s.* Thos. and Hannah P.; reared on farm. B.S., Cornell Coll., Mt. Vernon, Ia., 1911; M.L.A., Harvard Univ., 1915. Acacia; Gamma Sigma Delta.

Pearson, Raymond Allen, pres. Ia. State Coll., Ames, Ia.

Asst. chief Dairy Div., U. S. Dept. Agr., 1895-1902; general manag., Walker-Gordon Lab. Co., N. Y. and Philadelphia, 1902-3; prof. dairy ind., Cornell Univ., 1903-8; comnr. agr., N. Y. State, 1908-12; present position, 1912–; asst. sec., U. S. Dept. Agr., 1917-8; mem. govt. food production com. to visit Allies, Aug.-Oct., 1918. Fellow A. A. A. S. Pres. N. Y. State Agrl. Soc., 1908-11. (Agrl. coop. and educ.).—*b.* Evansville, Ind., Apr. 9, 1873; *s.* Leonard and Lucy S. (Jones) P.; *m.* Fanny Alice Dunsford; *c.* 1 daughter. B.S., Cornell Univ., 1894; M.S., 1899; LL.D., Alfred Univ., 1910; D.Agr., Univ. Neb., 1917. Sigma Xi.

Peck, Arthur Lee, prof. lands. arch. and flor., Ore. Agr. Coll., Corvallis, Ore.

In lands. arch. offices, Boston and Montreal, 1904-7; Kans. State Agr. Coll., 1907-8; Ore. Agr. Coll., 1908-10; professional work, 1910-2; present position, 1913–.—*b.* Ansonia, Conn., Nov. 14, 1882; *s.* Wilbur N. and Lois L. (Norton) P.; reared in city; *m.* Sara Browning Root, 1906; *c.* Norton Lee, Nella Browning, Eliot Root. B.S., Mass. Agr. Coll., 1904; B.A., Boston Univ., 1904. Phi Kappa Phi.

Peck, Francis Winfred, farm econ., Off. Farm Manag., U. S. Dept. Agr., Washington, D. C.

Asst. prof. farm manag., Univ. Minn., 1912-5; assoc. prof., 1918-9. Sec.-treas. Amer. Farm Econ. Assoc. *Auth.:* Farm Records and Accounts, 1914.—*b.* St. Paul, Minn., May 20, 1885; *s.* U. A. and Emma (Anderson) P.; reared on farm; *m.* Hazel Dell Blanchard, Nov. 12, 1912; *c.* Elizabeth Gail, Shirley Jane. B.S.A., Univ. Minn., 1912; M.S., 1917. Sigma Xi; Alpha Zeta; Gamma Sigma Delta.

Peckham, Curtiss, asst. dir. agrl. sch., Hampton, Inst., Hampton, Va.

Head. agrl. dept., Worcester high-sch., N. Y., 1912-4; instr. and head dept. market-gardening, Smith's Agrl. Sch., Northampton, 1914-8; present position, 1918–.—*b.* New Bedford, Mass., Apr. 12, 1890; *s.* Rheuben B. and Zylpha (Delano) P.; reared on farm; *m.* Alberta Dillingham, Dec. 22, 1915; *c.* Miriam, Lois. Grad. Mass. Agr. Coll., 1912. Alpha Sigma Phi.

Peet, Nelson Rusk, co. agrl. agt., Lockport, N. Y.

Nurseryman and fruit-grower, Webster, N. Y., 6 yrs. Co. rep., N. Y. State Food Supply Comn.—*b.* Rochester, N. Y., May 17, 1889; *s.* J. Clinton and Marion (Green) P.; reared in city; *m.* Gertrude M. Barry, July 10, 1912; *c.* Samuel Clinton, Barry. B.S.A., Cornell Univ., 1910. Alpha Zeta.

Pelletier, Joseph Noel, dir. Ecole d'Agriculture, St. Anne de la Pocatiere, Kamouraska, Que.

b. St. Roch des Aulnaies, Que., Dec. 24, 1880; *s.* Odilon and Helene (Lapointe) P.; reared on farm. Catholic priest.

Peltier, George Leo, prof. plant path., Ala. Poly. Inst., and path. Exp. Sta., and agt. Bur. Plant Ind., U. S. Dept. Agr., Auburn, Ala.

Teach. sci., Wauwatosa high-sch., Wis., 1910-1; teach. fellow, Shaw Sch. Bot., Washington Univ., 1911-2; asst. flor. path., Univ. Ill., 1912-4; assoc., 1914-6; present position, 1916–. *Assoc. ed.*, Phytopathology. (Rhizoctonia, citrus-canker).—*b.* Merrill, Wis., May 8, 1888; *s.* Emile and Georgiana (Laramie) P.; reared in town; *m.* Florence L. Quin, Sept. 23, 1913; *c.* Marjorie Isabelle, Leonard Francis. A.B., Univ. Wis., 1910; M.A., Washington Univ., 1912; Ph.D., Univ. Ill., 1915. Sigma Xi; Gamma Alpha; Phi Kappa Phi.

Pember, Frederick Russell, plant physiologist, R. I. State Coll., Kingston, R. I.

Asst. soil fert., Bur. Soils, U. S. Dept. Agr., 1903-6; present position, 1906–.—*b.* Putney, Vt., Jan. 27, 1877; *s.* Milton Hyde and Freelove (Croff) P.;

reared on farm; *m.* Jennie Maria Cole, June 17, 1908. B.S.A., Univ. Vt., 1900; M.S., 1908.

Pence, Merrill Oleo, state co. agt. leader, Del. Coll., Newark, Del.

Asst. agron., Del. Coll., 1911-3; farmer, Ind., 1913-4; agrl. agt., Kent Co., Del., 1914-5; Hendricks Co., Ind., 1916; present postion. 1917-.—*b.* Converse, Ind., Aug. 15, 1887; *s.* B. F. and Ella (Wood) P.; reared on farm; *m.* W. Ethel Lewis, Sept. 1, 1912; *c.* M. Lewis. B.S., Purdue Univ., 1911. Alpha Zeta.

Pendry, James Wallace, co. agrl. agt., Toledo, Ia.

Asst. lab. instr., Ia. State Coll., 1917-8. In U. S. Army, 1918-9. (An. husb.).—*b.* Chicago, Ill., Dec. 21, 1892; *s.* J. H. and Fanny (Reed) P.; reared in country. B.S., Ia. State Coll., 1918.

Pennock, Henry S., planter and dairy farmer, Jupiter, Fla.

b. Lansdowne, Pa., July 19, 1877; *s.* Abraham Liddon and Anna-Maria (Cadwalader) P.; reared in town; *m.* Alice M. Boner, June 3, 1905; *c.* Shirley Freeman, Audrey, Abraham Liddon, Henry S. Jr. E.E., Drexel Inst.

Perrin, Louis E., distr. agrl. agt., St. Landry, La.

Truck farmer, Tex., 1886-7; La., 1887; worked in sugar house, 1888-94; sugar boiler, 1895-1900; plantation manag., La., 1901-4; cotton buyer and ginner, 1904-5; dem. farm agt., S. La., 1905-7; distr. agt., S. La., 1908-15; dem. and ext. agt., 1916. Ex-Lieut., French Army, 1870-8. Traveled in French colonies, Algeria, Madagascar, 1871-8.—*b.* Burgundy, France, May 24, 1854 (naturalized 1886); *s.* Claude and Francoise P.; reared in country; *m.* Josephine V. Laurent, 1879; *c.* L. E. Jr., Lucien L., Claudine P., Alice H. Grad. Leland Agr. Sch., France.

Perry, Enos Johnson, ext. dairy specialist, W. Va. Univ., Morgantown, W. Va.

Formerly co. agrl. agt., Wellsboro, Pa.—*b.* Stewartstown, Pa., Apr. 24, 1892; *s.* Harry Lincoln and Emma (Johnson) P.; reared on farm. B.S.A., Penn. State Coll., 1916.

Perry, William Montgomery, co. agrl. agt., Danville, Va.

Missionary in Africa, 18 mos. Pub., Boys' Club Letter. (Boys' clubs).—*b.* Wylliesburg, Va., Apr. 28, 1876; *s.* John Major and Lida (Bush) P.; reared on farm; *m.* Virginia Davis, 1903; *c.* Marjorie Lillian, Owen Major. Student, Va. Poly. Inst., 1894-8; Union Missionary Training Inst., Brooklyn, 1900-3.

Pershing, Theodore, apple-grower, Pineville, Pa.

b. Johnstown, Pa., July 2, 1861; *s.* Cyrus Long and Mary Letitia (Royer) P.; reared in town; *m.* Elizabeth Helfenstein, 1890; *c.* Elizabeth Helfenstein. A.B., Princeton Univ., 1885.

Persons, Silas Edward, minister, in chg. rural churches in W. Md., 2321 Maryland Ave., Baltimore, Md.

Minister, Boulder, Colo., 1885-90; Cazenovia, N. Y., 1890-1917. Organizer of the Cazenovia Co. Fair, 1912. Traveled in Europe, Egypt, Palestine, 1892, 1901.—*b.* Bennington, N. Y., Jan. 7, 1857; *s.* Edward R. and Sophia (Hutchinson) P.; reared on farm; *m.* Elizabeth Cowles, Dec. 30, 1885; *c.* Elizabeth, Oren H., Mildred. A.B., Hamilton Coll., 1881; Union Theol. Sem., 1885; A.M., Univ. Colo., 1888; D.D., Hamilton Coll., 1909.

Pervier, Clayton C., farmer, Sheffield, Ill.

Former mem. Ill. Centennial Comn. Mem. lower house, Ill. General Assembly, 4 terms; at present State Senator. Sent to Europe in 1912 to write up agrl. conditions for Farmers' Review. Former pres. and sec., Bureau Co. Farmers Inst. Lect. in farmers insts., 20 yrs. Agt. an. ind., U. S. Dept. Agr., for increased pork production, 1917-8. Former assoc. ed., Farmers' Review.—*b.* Mineral, Ill., Mar. 4, 1857; *s.* S. L. and Philena (Covell) P.; reared on farm; *m.* Jessie M. Curtis, Mar. 16, 1881; *c.* Raymond C., Edgar M., Mabel, Inez, Carrie May, Helen P.

Peter, Alfred Meredith, head dept. chem., Ky. Exp. Sta., and prof. soil tech., Univ. Ky., Lexington, Ky.

Asst. chem., Ky. Geol. Survey, 1878-86; asst. chem. and chem., Ky. Exp. Sta., 1886-; supervising chem., Ky. Geol. Survey, 1904-12; adj. prof. chem.,

Univ. Ky. (now Transylvania Univ.), 1878-9; adj. prof. chem. and nat. hist., Univ. Ky., 1880-1; acting dir., Ky. Exp. Sta., Aug.-Oct. 1912, Jan.-Feb. 1915, 1916-7. Fellow A. A. A. S.; sec. Ky. Acad. Sci., 1916–. Ex-officio mem., State Bd. Agr., State Bd. For., State Live-Stock Sanitary Bd. of Ky., 1917. —*b.* Lexington, Ky., May 25, 1857; *s.* Robt. and Frances (Dallam) P.; reared in town and on farm; *m.* Mary Breckenridge McCauley, Sept. 27, 1887. B.S., Univ. Ky., 1880; M.S., 1885; Sc.D., 1913. Alpha Chi Sigma.

Peters, Albert George, poultry specialist, Ia. State Coll., Ames, Ia.

Ext. poultry husb., U. S. Dept. Agr., Univ. Neb., 1917; Ia. State Coll., 1917–. Served in Spanish-Amer. War. —*b.* Sandusky, O., Feb. 22, 1877; *s.* Edward and Philipena (Hoffman) P.; reared on farm; *m.* Anna B. Von Blou, Apr. 20, 1898; *c.* A. Verd, Clell E. A.B., Lima Coll., 1897.

Peters, Charles Adams, prof. inorganic and soil chem., Mass. Agr. Coll., Amherst, Mass.

Prof. chem., Univ. Ida., 1901-8; exchange teach., Friedrichs Werdersche Oberrealschule, Berlin, 1909-10. *Auth.*: The Preparation of Sudstances Important in Agriculture: A Laboratory Manual of Systematic Agriculture, 1919. (Analytical chem. and insecticides).—*b.* Worcester, Mass., June 29, 1875; *s.* John Lovett and Mary Francis (Eddy) P.; reared on farm; *m.* Mary Dame Kitredge, June 29, 1905; *c.* Andrew, Lovett, Chas. A. Jr. B.S., Mass. Agr. Coll., 1897; Ph.D., Yale Univ., 1901. Alpha Sigma Phi.

Peters, William A., co. agrl. agt., Wadena, Minn.

Agrst., high-sch., Hector, Minn., 1917-8.—*b.* La Crosse, Wis., Aug. 31, 1884, *s.* John and Adelheide P.; reared on farm; *m.* Tessie F. Millan, Aug. 23, 1916; *c.* Lucile Catherine. B.S., Univ. Minn., 1917. Alpha Zeta.

Petersen, John B., co. agrl. agt., Las Cruces, N. Mex.

Fruit-grower, Roswell, N. Mex., 1914-9.—*b.* Morrison, Ill., Apr. 10, 1886; *s.* Henry H. and Carrie (Bickert) P.; reared in city; *m.* Jane J. Hurlbert, June 12, 1912; *c.* Florence B., John Jr. Student Ia. State Coll.

Peterson, Dean Freeman, co. agrl. agt., Delta, Utah.

Teach. San Luis Acad., Manassa, Colo., 1911-2; Millard Acad., Hinckley, 1912-5; co. supt. schs., Millard Co., 1915-7; present position, 1918–.(Agron). —*b.* Scipio, Utah, Mar. 22, 1890; *s.* Jens P. and Christine (Jensen) P.; reared on farm; *m.* Lucile Crookston, July, 1911; *c.* Dean F. Jr., Cleo, Joan, Glen Elmer. B.S., Utah Agr. Coll., 1910. Phi Kappa Iota; Delta Theta Sigma.

Peterson, Elmer George, pres. Utah Agr. Coll., Logan, Utah.

Instr. and asst. prof. bact., Cornell Univ., 1909-10; prof. bact., Ore. Agr. Coll., and bact. Exp. Sta., 1910-1; bact. and dir. ext. div., Utah Agr. Coll., 1912-6; pres., 1916–. Fellow A. A. A. S.—*b.* Plain City, Utah, Aug. 26, 1882; *s.* Augustus and Agnes (Geddes) P.; reared on farm; *m.* Phebe Nebeker, Sept. 3, 1913; *c.* one. B.S., Utah Agr. Coll., 1904; A.M., Cornell Univ., 1909; Ph.D., 1911.

Peterson, Peter Powell, prof. soils, Univ. Ida., Moscow, Ida.

Instr. soils, Univ. Wis., 1909-11; asst. prof., 1911-2; present position, 1912–.—*b.* Hooper, Utah, Sept. 14, 1874; *s.* P. B. and Ann (Powell) P.; reared on farm; *m.* Hazel Parkinson, May 20, 1903; *c.* Kirma, Ottis, Claire. B.S., Brigham Young Univ., 1905; Ph.D., Univ. Chicago, 1909. Sigma Xi.

Peterson, R. Maynard, invest., Bur. Markets, U. S. Dept. Agr., Minneapolis, Minn.

Instr. agr., high-sch., Red Wing, Minn., 2 yrs. (Marketing fruits and veg.).—*b.* Olivia, Minn., May 23, 1888; *s.* John E. W. and Eliza G. (Lindberg) P.; reared on farm; *m.* Irene Vernice Warner, Aug. 3, 1909; *c.* Elaine Winifred, Harland, Wm., Lois Adele. B.S.A., Univ. Minn., 1914.

Peterson, Verd, chief div. agrl. educ., Clemson Agr. Coll., and superv. agrl. educ., State Dept. Educ., Columbia, S. C.

Princ. public schs., W. Va., 1904-10; prof. agrl. educ., State Normal Sch., Murfreesboro, Tenn., 1911-6; present position, 1917-.—*b.* Weston, W. Va., June 30, 1878; *s.* Lewis and Alice (Lowe) P.; reared on farm; *m.* Stella Shadow; *c.* Verdanna. A.B., W. Va. Univ., 1910. Kappa Alpha.

Peterson, William Harold, assoc. prof. agrl. chem., Univ. Wis., Madison, Wis.
Asst. chem., Columbia Univ., summer 1909-10; asst. agrl. chem., Univ. Wis., 1909-10; instr., 1910-4; asst. prof., 1914-8; assoc. prof., 1918-. (Nutr. and fermentation).—*b.* New Paltz, N. Y., Nov. 14, 1880; *s.* P. John and Clara (Saterlofve) P.; reared on farm; *m.* Mary Katherine White, Aug. 7, 1913. B.S. Wesleyan Univ., Middletown, Conn., 1907; M.A., Columbia Univ., 1909; Ph.D., Univ. Wis., 1913; studied Berlin Univ., 1914. Phi Beta Kappa; Sigma Xi; Gamma Alpha.

Pettee, Charles Holmes, dean N. H. Coll., Durham, N. H.
Instr., Thayer Sch. Civil Engin. and N. H. Coll., 1876-7; prof. math., 1877-1916; dean, 1888-. Mem. N. H. Constitutional Convention, 1918-20. (Meteorology).—*b.* Manchester, N. H., Feb. 2, 1853; *s.* Horace and Elizabeth Fairbanks (Wilson) P.; reared in city and country; *m.* Luella E. Swett, July 24, 1877; *c.* Alvena, Horace J., Sarah E., Chas. S. A.B., Dartmouth Coll., 1874; C.E., 1876; A.M., 1877; LL.D., N. H. Coll., 1913. Kappa Kappa Kappa.

Pettet, Zellmer Roswell, crop specialist, Hartford Fire Insurance Co., Atlanta, Ga.
Farmer, poultryman, Ill., 1 yr.; Ala., 1 yr.; Fla., 4 yrs.; Ga., 7 yrs.; formerly field agt., U. S. Bur. Crop Estimates, and dir. Coop. Crop Reporting Serv. of Ga. Served in U. S. Army, World War. —*b.* Cleveland, O., Nov. 16, 1880; *s.* J. and Delia (Wolke) P.; reared on farm; *m.* Nettie Harris, Nov., 1912. Ph.B., Univ. Chicago, 1902.

Pettit, Rufus Hiram, prof. ent., Mich. Agr. Coll., and ent. Exp. Sta., E. Lansing, Mich.
Asst. state ent. of Minn., 1895-6; asst. ent., Mich. Exp. Sta., 1897-1906; instr. zool., Mich. Agr. Coll., 1897-1906; present position, 1906-. Fellow A. A. A. S. Collaborator, U. S. Bur. Ent.—*b.* Baldwinsville, N. Y., Jan. 11, 1869; *s.* Rufus D. and Elvira C. (McHuron) P.; reared in village; *m.* Jessie A. Treat, May, 1895; *c.* Jessie A., Dorothy C. B.S.A., Cornell Univ., 1895. Sigma Xi; Alpha Zeta.

Pew, William Harper, farmer, Ravenna, O.
Asst. prof. agr., N. H. A. & M. Coll., 1907-9; assoc. prof. an. husb., Ia. State Coll., 1909-12; prof. and chief Exp. Sta., 1912-8; breeder Shorthorn cattle and Poland-China swine, 1918-.—*b.* Dodgeville, O., Oct. 31, 1883; *s.* John O. and Lina (Harper) P., reared in town and on farm; *m.* Nellie F. Whitehead, June 8, 1910; *c.* Dorothy Margaret. B.S., Ia. State Coll., 1907. Delta Upsilon; Alpha Zeta; Phi Kappa Phi; Gamma Sigma Delta.

Peyton, Laura Evelyn, home dem. agt., Huntsville, Ala.
Teach. Latin and hist., high-schs., Ala., 3 yrs.; teach. dom. sci. and art, 3 yrs.; present position, 1917-.—*b.* Gordonville, Ala., Nov. 9, 1891; *d.* Wesley G. and Jessie (Murphree) P.; reared on farm. Grad. Ala. Tech. Inst. and Coll. for Women.

Pfaender, Max, propagator and experimentalist, Gurney Seed and Nursery Co., Yankton, S. D.
Nurseryman, New Ulm, Minn., 5 yrs.; formerly hort., Northern Great Plains Field Sta., Mandan, N. D. —*b.* St. Paul, Minn., June 26, 1885; *s.* Wm. and Emily (Kiesling) P.; reared in town; *m.* Hilda Peuser, June 13, 1911 (d. 1915); 2d, Althea Drenkel, June 20, 1917; *c.* Robt., Elizabeth, Max Geo. B.S.A., Univ. Minn., 1907. Alpha Zeta.

Phelan, John, prof. sociol., Mass. Agr. Coll., Amherst, Mass.
Asst. econ., Univ. Mich., 1910; asst. dir., rural sch. dept., Western State Normal Sch., Kalamazoo, 1910-1; dir. rural sch. dept., State Normal Sch., Stevens Point, Wis., 1912-5; prof. rural sociol., Mass. Agr. Coll., 1915-; dir. short-courses, 1918-. *Auth.:* Elements of Rural Economics and Rural Sociology for Rural School Teachers, 1915.—*b.* Homer, Mich., Sept. 19, 1879; *s.* John

and Alice M. (Walshe) P.; reared on farm; *m.* Ida M. Densmore, Jan. 1, 1913; *c.* John Densmore. A.B., Univ. Mich., 1910; A.M., 1912.

Philips, Allen Griffith, prof. poultry husb., Purdue Univ., LaFayette, Ind.

Asst. poultry husb., Kans. State Agr. Coll., 1908-10; instr. poultry, Purdue Univ., 1910-2; asst. prof., 1912-4; assoc. prof., 1914-6; prof. and chief, 1916-. 1st Lieut. Field Artillery, U. S. Army.—*b.* Westchester, Pa., Jan. 5, 1886; *s.* Horace M. and Hanna Mary (Griffith) P.; reared in city and country; *m.* Grace H. Woodward, Apr. 1, 1911; *c.* Helen Mary, Paul Woodward, Marion Elizabeth, Everett Allen. B.S., Kans. State Agr. Coll., 1907; grad. student, Cornell Univ., 1907-8.

Phillips, Eugene Martin, co. agrl. agt., Carrollton, Ill.

Teach. physics and chem., high-sch., Princeton, Ill., 1904-6; Freeport. 1906-10; LaGrange, 1910-3; country life dir., Cook Co., 1913-6; teach. agr. consolidated schs., Chazy, N. Y., 1917-8; agrl. agt., Greene Co., Ill., 1918-.—*b.* Lena, Ill., Jan. 29, 1874; *s.* Jas. M. and Mary (Stout) P.; reared on farm; *m.* Cora B. Ellis, 1915; *c.* Jas. Ellis. A.B., Univ. Ill., 1904; B.S., 1917.

Phillips, Everett Franklin, apiculturist, Bur. Ent., U. S. Dept. Agr., Washington, D. C.

Fellow A. A. A. S. Traveled in Hawaii and Porto Rico to study beekeeping conditions. *Auth.:* Beekeeping, 1915.—*b.* Hannibal, O., Nov. 14, 1878; *s.* Taylor F. and Belle (Hofer) P.; reared in small town; *m.* Mary Hibbs Geisler, Oct. 27, 1906; *c.* E. F. Jr., Wm. Taylor, Howard Geisler. B.A., Allegheny Coll., 1899; Ph.D., Univ. Penn., 1904; Phi Beta Kappa; Sigma Xi; Phi Eta; Phi Delta Theta.

Phillips, Frank R., co. agrl. agt., Denton, Tex.

Prof. agr., state sch., La., 2 yrs.; with U. S. Dept. Agr., 3 yrs.; head agrl. dept., Camp Custer, Mich., Reconstruction Sch. (Rural social center work).—*b.* Watertown, Tenn., 1887; *s.* J. T. and Bell (Shields) P.; reared on farm. B.S., Tex. A. & M. Coll., 1914.

Phillips, Harold Deane, dir. N. Y. State Bur. Markets and Storage, 151 Western Ave., Albany, N. Y.

Teach. physics and chem., high-sch., Manistique, Mich., 1910-2; instr. rural econ., Cornell Univ., 1914-7; asst. dir. N. Y. State Bur. Markets and Storage, 1919-20; dir., 1920-. From private to 1st Lieut., U. S. Army, 1917-8. (Marketing and coop. organization).—*b.* North East, Pa., Jan. 23, 1888; *s.* Jas. H. and Louise (Loomis) P.; reared on farm and in town; *m.* Ida Robost Henderson, Jan. 14, 1918; *c.* Louise Catherine. A.B., Oberlin Coll., 1910; B.S.A., Cornell Univ., 1914.

Phillips, John Lloyd, fruit-grower, farmer and consulting orchard expert, Linden, Va.

Asst. state ent., Va., 1900-3; state ent., 1903-10. Fellow A. A. A. S.—*b.* Accomac Co., Va., Dec. 30, 1875; *s.* W. J. and Maggie A. (Savage) P.; reared on farm; *m.* Marie A. Ernst, Sept. 16, 1905; *c.* J. L. Jr., Agnes E., Geo. E., W. J., Margaret E. B.S., Va. Poly. Inst., 1897; M.S., 1900.

Phillips, Juda Anna, home dem. agt., Owego, N. Y.

Teach. Troy Conf. Acad., Poultney, Vt., 1913-4.—*b.* Crown Point, N. Y., Apr. 18, 1893; *d.* John Warren and Juda Ann (Moss) P.; reared on farm. B.S., Cornell Univ., 1918.

Phillips, Max M., co. agrl. agt., Norwalk, O.

b. Medina, O., May 3, 1891; reared on farm. B.S.A., Ohio State Univ., 1916. Alpha Zeta.

Phillips, Thomas Guthrie, asst. prof. agrl. chem. and soils, Ohio State Univ., Columbus, O.

Instr. agrl. chem., Ohio State Univ., 1912-5; asst. prof., 1915-. (Plant chem.).—*b.* W. Derby, Vt., Nov. 18, 1887; *s.* Jeremiah and Altie F. (Wright) P.; reared on farm and in town. B.S.A., Ohio State Univ., 1912; M.Sc., 1913; Ph.D., Univ. Chicago, 1918. Sigma Xi; Phi Lambda Upsilon; Alpha Zeta; Gamma Alpha.

Phillips, William Jeter, ent. asst., Bur. Ent., U. S. Dept. Agr., Charlottesville, Va.

Asst. state ent. and plant path., Va., 1903-4; present position, 1904–. Pres. Old Dominion Orchards Co., Inc., 1911-4, vice-pres., 1920–.—*b.* Nandua, Va., Dec. 23, 1879; *s.* Wm. Jesse and Margaret Anne (Savage) P.; reared on farm; *m.* Hazel M. Lough, Apr. 28, 1909. B.S., Va. Poly. Inst., 1901; M.S., 1903; grad. student, Univ. Ill., 1909.

Pickens, Earl Max, prof. bact. and path., Md. State Coll., College Park, Md.

From asst. to prof. diagnosis, N. Y. State Vet. Coll., Cornell Univ., 1911-8; present position, 1918–; in chg. state live-stock sanitary and biol. lab., 1918–. —*b.* Parish, N. Y., Jan. 29, 1888; *s.* Hosea and Anna E. (MacCallum) P.; reared on farm; *m.* Florence Winifred Speed, July 16, 1913; *c.* Jas., Helen, Winifred. D.V.M., Cornell Univ., 1911; A.M., 1913. Sigma Xi; Omega Tau Sigma; Gamma Alpha.

Pickett, Bethel Stewart, prof. pom., Univ. Ill., Urbana, Ill.

Sec. Ont. Agr. Coll., 1902-5; instr. pom., Univ. Ill., 1906-8; prof. hort., N. H. A.&M. Coll., 1908-12; present position, 1912–. Sec. N. H. Fruit Growers Assoc., 1910-2; organizer and sec. N. H. Potato Growers Assoc., 1911; vice-pres. New England Fruit Show, for N. H., 1911-2; chm. com. on undergraduate courses, Amer. Soc. for Hort. Sci., 1917; supt. exhibits, Ill. Apple Show, 1918.—*b.* Tillsonburg, Ont., June 4, 1882 (naturalized 1905); reared in country; *m.* Bertha Gay Beamer, Dec. 11, 1907; *c.* Barzillai Stewart, Llewellyn Elmer, Arthur David, Ellen Gay. B.S.A., Toronto Univ., 1904; M.S., Univ. Ill., 1906. Sigma Xi.

Pickett, Jesse W., farmer and corn breeder, Caledonia, Mich.

Vice-pres. Kent Co. Farm Bur.; pres. Caledonia Coop. Creamery Co., 1914, sec., 1915-6; pres. Caledonia Farmers Coop. Elevator Co., 1918-20; pres. Farmers Rural Telephone Co.; Kent Co. drain comnr., 1911-3; sec. Mich. State Drain Comnrs., 1911-2.—*b.* Kent Co., Mich., Mar. 6, 1869; *s.* Wm. B. and Susannah (Wismer) P.; reared on farm; *m.* Lillian Barnes, Aug. 8, 1893; *c.* Nora E., Earl B., Ward Russell.

Pickford, Irvin Thomas, ext. specialist hort., Mich. Agr. Coll., E. Lansing, Mich.

Hort., Grand Traverse Fruit Co., 2 yrs.; manag. Diehl Fruit Co., 1 yr.; supt. Nat. Orange Co's. plantation, Corona, 3 yrs.—*b.* Rome, Mich., July 25, 1884; *s.* Cicero J. and C. Josephine (Lamoreaux) P.; reared on farm; *m.* Pauline L. Schuyler, June 30, 1914; *c.* Verne M., Alice Josephine. B.S., Mich. Agr. Coll., 1913; M. Hort., 1919.

Pierce, Fred D., convention and campaign manag., Y. M. C. A., Oklahoma City, Okla.

Assoc. campaign dir. Southern Dept., United War Work Campaign.—*b.* Eureka, Ill., Aug. 10, 1878; *s.* Wm. A. and Emma J. (Lewis) P.; reared in country; *m.* Gertrude M. Thompson, Apr. 28, 1906; *c.* Marion, Paul, Margaret, Frances, Jean, Janet, Frederick. Student Eureka Coll., 1 yr.

Pierpont, Charlotte Cynthia, state home dem. leader, Univ. Vt., Burlington, Vt.

Teach. elementary schs., W. Haven and New Haven, Conn., 1900-13; teach. home econ., Barton, Vt., 1916-7; asst. state club leader, Univ. Vt., 1917; present position, 1917–.—*b.* New Haven, Conn.; *d.* J. Newton and Esther E. (Pratt) P.; reared in city. B.S., Univ. Vt., 1916.

Pieters, Adrian John, agron. in chg. clover invests., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Instr. for. bot., Univ. Mich., 1912-5. —*b.* Alto, Wis., Nov. 18, 1866; *s.* Roelof and Hendrika (Van Zwaluwenburg) P.; reared in village; *m.* Hattie M. Bailey, June, 1896. A.B., Univ. Mich., 1894; Ph.D., 1915.

Piggott, Walter Joseph Jr, co. agrl. agt., Vincennes, Ind.

b. Irvington, Ky., Apr. 11, 1892; *s.* W. J. and Clara (Jolly) P.; reared on farm; *m.* Francis Dorothy Rowland, June 11, 1918. B.S.Agr., Univ. Ky., 1915.

Pillsbury, Joshua Plummer, prof. hort., N. C. State Coll. and Exp. Sta., W. Raleigh, N. C.

Head gardener, Penn. State Coll., 1895-8; asst. hort., 1898-1910; asst.

prof., 1910-1; present position, 1911–. —*b.* Buena Vista, O., Dec. 7, 1873; *s.* J. P. and Harriet M. (Ross) P.; reared in country; *m.* Charlotte Dunford, Oct. 17, 1895 (d. Jan., 1916); 2d, Mrs. Gertrude Brown, June 4, 1918 (d. Nov., 1918); *c.* Ross Dunford, Dorothy May. B.S., Penn. State Coll., 1910. Alpha Zeta; Phi Kappa Phi.

Pinchot, Gifford, for., Milford, Pike Co., Pa.

Mem. Nat. For. Comn., 1896; for. and chief U. S. For. Serv., U. S. Dept. Agr., 1898-1910; chm. Nat. Conservation Comn., 1908-9; mem. Roosevelt Country Life Comn., 1908-9; pres. Nat. Conservation Assoc., 1910–; prof. for., Yale Univ., 1903–; comnr. for., Pa. Fellow A. A. A. S. *Auth.:* (with Graves) The White Pine, 1896; The Adirondack Spruce, 1898; The Fight for Conservation, 1909; (with C. O. Gill) The Country Church, 1913.—*b.* Simsbury, Conn., Aug. 11, 1865; *s.* Jas. W. and Mary (Eno) P. A.B., Yale Univ., 1889; A.M., 1901, Princeton Univ., 1904; Sc.D., Mich. Agr. Coll., 1907; LL.D., McGill Univ., 1909.

Pincus, Joseph William, ed. and agrl. organizer, 174 Second Ave., New York, N. Y.

Instr. agr. and supt. farm and dairy dept., Baron de Hirsh Agr. Sch., Woodbine, N. J., 1898-1908; sec. Fed. of Jewish Farmers of Amer. *Ed.,* The Jewish Farmer.—*b.* Berdiansk, Russia, Aug. 3, 1876 (naturalized 1896); *s.* Alexander G. and Zinaida (Podolsky) P.; reared on farm; *m.* Elizabeth Florence Lipman, June 29, 1902; *c.* Gregory Goodwin, Bernard M., Leopold L., Maurice Hirsch, Sophia, Alexis Geo. B.Agr., Conn. Agr. Coll., 1898.

Piper, Charles Vancouver, agrostologist, U. S. Dept. Agr., Washington, D. C.

Prof. bot. and zool., Wash. State Coll., 1892-1903; agrostologist in chg. forage crop invests., U. S. Dept Agr., 1903–. Pres. Amer. Soc. Agron., 1903-4; pres. Washington Bot. Soc., 1907-8. Traveled in Japan, China, India, Java, Egypt, Philippines, Europe, Alaska. *Auth.:* Flora of Washington, 1906; Flora of Palouse Region, 1901; Flora of Southeast Washington, 1914; Flora of Northwest Coast, 1915; Forage Plants and Their Culture, 1915; Turf for Golf Courses, 1917. Consulting agrl. ed., McGraw-Hill Book Co.—*b.* Victoria, B. C., June 16, 1867; *s.* Andrew Wm. and Minna (Hausman) P.; *m.* Laura Maude Hungate, Sept. 15, 1897. B.S., Univ. Wash., 1885; M.S., 1892; M.S., Harvard Univ., 1900. Phi Beta Kappa; Sigma Xi.

Plato, John Byron, farmer, Ithaca, N. Y.

Breeder Guernsey cattle and White Leghorn poultry, Colo., 9 yrs. Vice-pres. and gen. manag., Amer. Rural Index Corp., 1919–. Inventor of clock system of numbering farm-houses. Served in Spanish-Amer. War in Philippines, 1898-9.—*b.* Chicago, Ill., Dec. 17, 1876; *s.* John B. and Helen (Larrabee) P.; reared in town. Student Cornell Univ., 1895-6.

Platts, Catharine Norton, in chg. home econ. ext. and state home dem. leader, Univ. Me., Orono, Me.

Teach. home econ. and math., high-sch., Walpole, N. H., 1911-2; teach. home econ., Northfield Sem., 1912-3; in chg. home econ. dept., 1913-5; present position, 1915–.—*b.* Holbrook, Mass. Apr. 16, 1887; *d.* Howard and Annie M. (Thayer) P.; reared in town. B.S., Simmons Coll., 1911.

Plumb, Charles Sumner, prof. an. husb., Ohio State Univ., Columbus, O.

Asst. ed. Rural New-Yorker, 1883-4; first asst., N. Y. Agr. Exp. Sta., Geneva, 1884-7; prof. agr., Univ. Tenn. and asst. dir. Exp. Sta., 1887-90; vice-dir. Ind. Exp. Sta., 1890-1; dir., 1891-1902; prof. agrl. sci., Purdue Univ., 1890-3; prof. an. husb. and dairying, 1893-1902; present position, 1902–. Sec.-treas. Amer. Kerry and Dexter Cattle Club. Traveled in Europe. *Auth.:* Biographical Directory of American Agricultural Scientists, 1889; Indian Corn Culture, 1895; Little Sketches Famous Beef Cattle, 1904; Types and Breeds of Farm Animals, 1906, rev. 1920; A Partial Index to Animal Husbandry Literature, 1911; Beginnings in Animal Husbandry, 1914; Judging Farm Animals, 1916. *Ed.* and publisher, Agricultural Science, 1887-91.—*b.* Westfield, Mass., Apr. 21, 1860; *s.* David H. and Helen M. (Wallace) P.; reared in town; *m.* Helen P.

Gladwin, Oct. 14, 1886; *c.* Helen G., Winthrop G. B.Sc., Mass. Agr. Coll., 1882. Sigma Xi; Alpha Zeta.

Plummer, James Kemp, state chem., N. C. Dept. Agr., Raleigh, N. C.
Asst. chem., N. C. Exp. Sta., 1908-9; asst. chem., Cornell Univ., 1910-1; soil chem., N. C. Exp. Sta., 1911-8; present position, 1918–.—*b.* Middlebury, N. C., Sept. 20, 1886; *s.* Jas. K. and Mary B. (Henderson) P.; reared on farm; *m.* Lucy Haywood, June 12, 1912; *c.* Emily Haywood. B.S., N. C. State Coll., 1907; M.S., 1909; M.A., Cornell Univ., 1911; Ph.D., 1915. Sigma Xi.

Poe, Clarence, ed. Progressive Farmer and pres. Progressive Farmer Co., Raleigh, N. C.
Mem. State Bd. Agr.; pres. N. C. Farmers State Conv.; mem. joint com. controlling N. C. Ext. Serv. and Exp. Sta.; mem. exec. com., N. C. Cotton Assoc. Author resolution establishing (1913) first marketing division in any agrl. dept. in Amer. Studied rural and econ. problems in Asia, 1910-1; Europe, 1912. Lect. on rural problems. *Auth.:* A Southerner in Europe, 1908; Where Half the World is Waking Up, 1911; Life and Speeches of Charles B. Aycock, 1912; How Farmers Co-operate and Double Profits, 1915. (Rural sociol. and econ.).—*b.* Chatham Co., N. C., Jan. 10, 1881; *s.* Wm. B. and Susan (Dismukes) P.; reared on farm; *m.* Alice Aycock, 1912; *c.* Chas. Aycock, Wm. D., Jean Shepperd. Lit.D., Wake Forest Coll., 1914.

Poehler, Kenneth Kort, dir. agr., high-sch., Spring Valley, Minn.
Dir. agr., high-sch., Harmony, Minn., 1917-8; Spring Valley, 1918–.—*b.* Arlington, Minn., July 8, 1897; *s.* Henry C. and Augusta (Benning) P.; reared on farm; *m.* Myrtle A. Wolsted, Sept. 7, 1918; *c.* Wayne Wolsted. B.S., Univ. Minn., 1917.

Pollard, Ray Ford, co. agrl. agt., Cobleskill, N. Y.
Instr. farm manag., Cornell Univ., winter 1915-6; agrl. agt., Schoharie Co., 1916–.—*b.* Nanticoke, N. Y., Jan. 8, 1887; *s.* B.M. and Theda E. (Ford) P.; reared on farm. B.S., Cornell Univ., 1915.

Pomeroy, Carl Stone, invest. marketing fruits and veg., Bur. Markets, U. S. Dept. Agr., Riverside, Calif.
Asst. hort. Vt. Exp. Sta., 1906-7; asst. hort., Mass. Exp. Sta., 1907-8; present position, 1908–.—*b.* Franklin, Vt., May 31, 1882; *s.* John W. and Julia C. (Stone) P.; *m.* Elsie Elizabeth Lower, Nov. 15, 1911; *c.* Florence Elizabeth. Ph.B., Univ. Vt., 1904; B.S., 1906. Delta Sigma.

Pond, George Augustus, asst. prof. farm manag., Univ. Minn., University Farm, St. Paul, Minn.
Present position, 1919–; agt. in chg. coop. cost production studies, Off. Farm Manag., U. S. Dept. Agr., 1920–. 2d Lieut., Q. M. C., U. S. Army, 1918-9; garden officer in chg. U. S. Army Bulk Production Farm, Coetquidan, France. —*b.* Shakopee, Minn., Aug. 10, 1889; *s.* E. Judson and Minnie (Markus) P.; reared on farm. B.S., Univ. Minn., 1918. Alpha Zeta; Gamma Sigma Delta.

Pontius, Byron Ernest, asst. prof. an. husb., Purdue Univ., LaFayette, Ind.
Head dept. an. husb., N. Y. State Sch. Agr., Alfred, 1914-7; asst. prof. an. husb., Mass. Agr. Coll., 1917-9; acting head dept., 1919; present position, 1919–. (Genetics, an. breeding). —*b.* Liberty Center, O., Feb. 10, 1888; *s.* Israel and Ella E. (Frankforther) P.; reared on farm; *m.* Carrie Elizabeth Clifton, Aug. 16, 1916. B.Sc., Ohio State Univ., 1914.

Ponton, Joseph Noe, prof. physics and agrl. engin., Oka Agrl. Inst., Vandreuil, Que.
Distr. rep., Ont. Dept. Agr., summers, 1913-5; present position, 1915–. Farm manag., 1917–. Rep. Que., Eastern Canada Live-Stock Union.—*b.* Marie Ville, Que., Dec. 8, 1885; *s.* Noe and Emelie (Dandurand) P.; reared on farm. B.A., Laval Univ., Montreal, 1912; B.S.A., Ont. Agr. Coll., 1915.

Poole, James Plummer, asst. prof. bot., Univ. Wyo., Laramie, Wyo.
Instr. bot., Washburn Coll., Topeka, Kans., 1912-3; asst. bot., Kans. State Agr. Coll., 1913-6; present position, 1918–. Sec. Wyo. State Bd. Hort.—*b.* Gloucester, Mass., May 6, 1889; *s.*

Samuel G. and Helen A. (Marr) P.; reared on farm; *m.* Mary Leona Glenn, 1913; *c.* Margery Graham, Barbara Hopkins. B.S., Univ. Me., 1912; M.A., Harvard Univ., 1918. Alpha Tau Omega.

Pope, Perly Putnam, co. agrl. agt., farmer and pedigree live-stock breeder, St. Johns, Mich.

b. Bowling Green, O., Apr. 9, 1883; *s.* Delos A. and Laura E. (Loomis) P.; reared in country; *m.* Bertha B. Hannah, Nov. 24, 1909; *c.* Lucy Belle. Student Otterbein Univ.

Popenoe, Charles Holcomb, ent. in truck crop insect invests., Bur. Ent., U. S. Dept. Agr., Washington, D. C.

Farmer, 1905-7; special field agt., Bur. Ent., 1907-10; ent. asst., 1910-7; asst. ent., 1917-9; present title, 1919-. —*b.* Manhattan, Kans., June 7, 1884; *s.* Edwin A. and Carrie (Holcomb) P.; reared on farm. B.S., Kans. State Agr. Coll., 1905.

Popenoe, Fred Oliver, hort. and pres. W. India Gardens, Altadena, Calif.

In real estate firm, T. E. Bowman & Co., Topeka, Kans., 7 yrs.; pres. Accounting Trust Co., Topeka, 5 yrs.; pres. Topeka Investment and Loan Co., 3 yrs. Dir. Calif. Avocado Assoc., 3 yrs. Traveled in W. Indies, S. Amer., Cent. Amer., Europe. (Subtropical hort.).—*b.* Towanda, Ill., Apr. 1, 1863; *s.* Willis Parkinson and Marinda (Holcomb) P.; reared on farm; *m.* Marion Bowman, Dec. 16, 1889; *c.* Paul, Wilson, Herbert. Student Washburn Coll., Topeka, 1 yr.; Kans. State Agr. Coll., 1 yr.

Popenoe, Paul, date-grower, Thermal, Calif.

City ed. Pasadena Star, 1908-11; agrl. explorer, 1911-3; ed. Journal of Heredity, 1913-8; exec. sec. Amer. Social Hygiene Assoc. and ed. Social Hygiene, 1919-20. Capt. Sanitary Corps, U. S. Army; dir sect. on vice and liquor control, War Dept. Traveled in India, Arabia, Africa, Costa Rica. *Auth.:* Date Growing in the New and Old Worlds, 1913; (with R. H. Johnson) Applied Eugenics, 1918.—*b.* Topeka, Kans., Oct. 16, 1888; *s.* F. O. and Marion A. (Bowman) P.; reared in country; *m.* Betty Lee Stankovitch, 1920. Student Leland Stanford Univ.

Popenoe, Wilson, agrl. explorer, Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Explorations in India, Turkey, Algeria, 1912-3; Brazil, 1914-5; Guatemala, 1915-7; Mexico, 1918; Cent. and S. Amer., 1919. *Auth.:* Manual of Tropical and Subtropical Fruits, 1920.—*b.* Topeka, Kans., Mar. 9, 1892; *s.* F. O. and Marion A. (Bowman) P.; reared in country. Student Pomona Coll.

Porter, Eugene Hoffman, comnr. Div. Foods and Markets, Dept. Farms and Markets, Albany, N. Y.

Prof. chem., N. Y. Homeopathic Med. Coll.; lect. sanitary sci., Cornell Univ. N. Y. State Comnr. of Health, 1905-14. Dir. Dairymens League, 1917-8; pres. Broome Co. Dairymens League, 1917-9. Owner dairy farm, Upper Lisle, N. Y. *Ed.*, North American Journal of Homeopathy, 25 yrs.—*b.* Ghent, N. Y.; *s.* Curtis H. and Julia (Hoffman) P.; reared on farm; *m.* Alice A. Day, June 12, 1889; *c.* Geo. C. M.D., N. Y. Homeopathic Coll.; A. M., Rutgers Coll., 1889; Dr. P. H., Syracuse Univ.

Porter, Murray C., farmer, Rodman, N. Y.

Former Master Grange; pres Jefferson Co. Farm Bur. Conducted farmers insts., 2 yrs.—*b.* Rodman, N. Y., Jan. 30, 1873; *s.* H. S. and Alvira (Cooley) P.; reared on farm; *m.* Flora E. Parsons, Aug. 24, 1898; *c.* M. Claire.

Porter, William Floyd, co. agrl. agt., Taloga, Okla.

Teach. country schs., 8 yrs.; princ. schs., Mutual, Okla., 1914-5, Isabella, 1917-8. Served in U. S. Army.—*b.* Onawa, Ia., July 22, 1891; *s.* Jas. Lincoln and Mattie A. (Acton) P.; reared on farm; *m.* Rebecca Maude Every, Aug. 31, 1918; *c.* P. Margaret, Floy.

Potter, Albert Franklin, formerly assoc. for., For. Serv., U. S. Dept. Agr., Washington, D. C.

Insp. Territorial Live-Stock Sanitary Comn., Ariz., 1892-4; treas. Apache Co., 1895-6; sec. Ariz. Wool Growers Assoc., 1898-1900; expert on grazing, U. S. For. Serv., 1901-5; chg. grazing on nat. forests, 1905-9; assoc. for., 1910-20.—*b.* Amador Co., Calif., Nov. 14, 1859; *s.* Abiathar Fales and Caroline (Willis) P.

Potter Ermine Lawrence, prof. an. husb., Ore. Agr. Coll., Corvallis, Ore.

Instr. an. husb., Ore. Agr. Coll., 1908-10; asst. prof., 1910-2; prof., 1912-; head dept., 1913-. Sec. Northwest Shorthorn Assoc. *Ed.*, Western Live-Stock Management, 1917. (Commercial cattle feeding and range manag.).—*b.* Turney, Mo., Apr. 13, 1884; *s.* Jas. A. and Maggie (Johnson) P.; reared on farm; *m.* Mary Kirk, Aug. 16, 1911 (d. 1919). B.S., Mont. State Coll., 1906; B.S.A., Ia. State Coll., 1908. Alpha Zeta; Gamma Sigma Delta.

Potter, Percival B., asst. prof. agrl. engin., Ohio State Univ., Columbus, O.

Instr. agrl. engin., Ohio State Univ., 1916-8; asst. prof., 1918-. (Drainage and dom. engin.).—*b.* Barber Co., Kans., Dec. 19, 1889; *s.* Orman J. and Elvira L. (Button) P.; reared in town; *m.* May Belle Landis, Dec. 28, 1915; *c.* Richard Landis. B.S. in C.E., Kans. State Agr. Coll., 1911; B.S. in Agron., 1916. Alpha Zeta.

Potter, Ralph Sydney, assoc. prof. soils and chief soil chem. Exp. Sta., Ia. State Coll., Ames, Ia.

Research asst., Univ. Ill., 1910-3; present position, 1913-.—*b.* Fairbury, Ill., Mar. 2, 1888; *s.* P. M. and Elizabeth (Van Arsdale) P.; reared on farm and in town; *m.* Mabel Bebb, Dec. 25, 1913; *c.* Dorothy, Janet. A.B., Lake Forest Coll., 1909; M.S., Univ. Ill., 1911; Ph.D., 1913. Sigma Xi; Phi Lambda Upsilon; Phi Kappa Phi; Alpha Chi Sigma.

Potts, Arthur Tillman, prof. veg.-gard. and subtropical fruits, Tex. A. & M. Coll., College Station, Tex.

Deputy state feed and fert. insp., 1907-8; supt. Agr. Exp. Sta., Beeville, Tex., 1908-12.—*b.* Weatherford, Tex., Mar. 16, 1883; *s.* Chas. B. and Elizabeth M. (Shirley) P.; reared on farm and in small town; *m.* Francis Opal Poland, June 2, 1910; *c.* Letha Marie. B.S., Tex. A. & M. Coll., 1907; M.Sc., Univ. Calif., 1916; M.S.A., Tex. A. & M. Coll., 1917.

Potts, Aurelia Belle, asst. home dem. leader, Mich. Agr. Coll., Marquette, Mich.

Teach. home econ., Traverse City, Mich., 1912-4; Menominee, 1914-6; ext. worker, Penn. State Coll., 1917-8; present position, 1918-.—*b.* Macomb Co., Mich., June 17, 1890; *d.* John C. and Martha (Hart) P.; reared on farm. B.S., Mich. Agr. Coll., 1912; student Columbia Univ., 1916-7.

Potts, Roy C., specialist in dairy marketing, Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Prof. dairying, Okla. A.&M. Coll., 1906-15; present position, 1915-. *Auth.:* Dairy Laboratory Outlines, 1912. Dairy ed., Okla. Farmer-Stockman, 1913-5.—*b.* Washington, Mich., May 21, 1881; *s.* John C. and Mattie (Hart) P.; reared on farm; *m.* Helene M. Mittendorf, Feb. 16, 1910. B.S., Mich. Agr. Coll., 1906. Alpha Zeta.

Powell, Edwin Chace, ed. Farm and Home, Springfield, Mass.

Sec. E. N. Y. Hort. Soc., 1898. *Auth.:* Street and Shade Trees, 1893; Country Roads, 1893; Barn Plans and Outbuildings, 1903; Making Poultry Pay, 1907. *Asst. ed.*, New England Homestead, 1890-2; asst. ed., American Gardening, 1893; assoc. ed., Orange Judd weeklies, 1900-2; ed., Farm and Home, 1902-. (Amateur gard. and fruit-growing).—*b.* Ghent, N. Y., Mar. 3, 1870; *s.* Geo. T. and Marcia (Chace) P.; reared on farm; *m.* Grace J. Sackett, July 16, 1890; *c.* Beatrice, Edith M. Special student, Cornell Univ., 1889 90.

Powell, George Harold, general manag. Calif. Fruit Growers Exchange, Los Angeles, Calif.

Hort. and ent., Del. Exp. Sta., 1896-1901; asst. pom., U. S. Dept. Agr., 1901-4; pom. in chg. fruit transportation and storage invests., 1904-9; asst. chieif Bur. Plant Ind., 1909-11; present position, 1911-; chief div. perishable foods, U. S. Food Adminis., 1917-8. Del. from U. S. to Intern. Assoc. of Refrigerating Industries, Paris, 1908. *Auth.:* Co-operation in Agriculture, 1913.—*b.* Ghent, N. Y., Feb. 8, 1872; *s.* Geo T. and Marcia (Chace) P.; reared on farm; *m.* Gertrude E. Clark, July, 1896; *c.* H. Clark, Geo. T., Lawrence C. B.S.A., Cornell Univ., 1895; M.S.A., 1896. Sigma Xi; Kappa Sigma.

Powell, George Townsend, fruit-grower and farmer, Ghent, N. Y.

Princ. and dir. Sch. Practical Agr. and Hort., Briar Cliff Manor, N. Y., 1901-3. Pres. Hort. Soc. of N. Y., 5 yrs. (Propagation of fruit-trees by bud selection).—*b.* Clinton, N. Y., Mar. 30, 1843; *s.* Townsend and Catharine (Macy) P.; reared on farm; *m.* Marcia Chace, Dec. 2, 1868; *c.* Edwin Chace, Geo. Harold, Mabel Alger, Alger Wheeler. Student Claversack Coll., 2 yrs.

Powell, Ola, asst. in chg. home dem. work in southern states, States Relations Serv., U. S. Dept. Agr., Washington, D. C.

Teach. sch. gard. in Cleveland and Philadelphia, 4 yrs.; dir. home econ., Sch. Organic Educ., Fairhope, Ala., 1910 1; in chg. summer sch. dom. sci. and asst. curator sch. gardens, public schs., Cleveland, 1911-2; asst. state home dem. agt., La. State Univ., 1913-4. *Auth.:* Successful Canning and Preserving.—*b.* Plain View, Tex., Dec. 19, 1889; *d.* Robt. Finley and Laura (Tisdel) P.; reared on farm. Grad. Drexel Inst., Philadelphia, 1913.

Powers, Homer Patrick, co. agrl. agt., Gallup, N. Mex.

Teach. agrl. chem., N. Mex. A.&M. Coll., 1 yr.—*b.* Pecos, Tex., Apr. 4, 1893; *s.* Homer and Josephine (Philips) P.; reared on ranch; *m.* Celia Marrin. B.S.A., N. Mex. A.&M. Coll., 1916. Alpha Pi Alpha.

Powers, Hugh Austin, co. agrl. agt., Lexington, Tenn.

Teach. agr., high-sch., Lexington, Tenn., 1913-5; teach. agr. and co. agrl. agt., 1915-8; present position, 1918–. Sec. Henderson Co. Pure Swine Breeders Assoc.—*b.* Scotts Hill, Tenn., Apr. 12, 1889; *s.* A. M. and Addie (Austin) P.; reared on farm; *m.* Lessie Jane Davis, June 21, 1917. B.S.A., Univ. Tenn., 1913. Alpha Tau Omega.

Powers, Wilbur Louis, prof. soils, Ore. Agr. Coll., Corvallis Ore.

Instr. agron., Ore. Agr. Coll., 1909-12, asst. prof., 1912; assoc. prof., 1912-5; prof. drainage and irrig., 1916-8; prof. soils, 1918–. Sec. Ore. Drainage Assoc. *Auth.:* Irrigation Practice, 1912. —*b.* Tiskilwa, Ill., Mar 5, 1887; *s.* John and Eliza A. (Partridge) P.; reared on farm; *m.* Mabel N. Hays, Sept. 1, 1909; *c.* Myron N. B.S.A., N. Mex. A.&M. Coll., 1908; M.S., 1909.

Powers, William Howard, librarian and assoc. prof. English, S. D. State Coll., Brookings, S. D.

Teach. high-sch., 1892-8; prof. English, Huron Coll., 1901-5; present position, 1905–. Mem. S. D. State Library Comn., 1913-22. Librarian Amer. Library Assoc. library, Camp Cody, N. Mex. (Agrl. librarian).—*b.* Woodville, O., Sept. 12, 1868; *s* Chas. and Lydia Ann (Banks) P.; reared in town; *m.* Edith Lampman, Sept. 2, 1902; *c.* Howard A., Pamela. A.B., Miami Univ., 1891; A.M., Harvard Univ., 1899.

Praeger, Herman Albert, farmer, Claflin, Kans.

Sec. Farmers Union Coop. Supply Co., Claflin, 1920; sec. Farmers Elevator Co. of Claflin, 1920–.—*b.* Claflin, Kans., June 13, 1884; *s.* F. August and Barbara (Dittman) P.; reared on farm; *m.* Edna Gertrude Grizzell, Oct. 22, 1910; *c.* Walter G., Ralph B., Kenneth H., H. Albert. B.S., Kans. State Agr. Coll., 1908.

Prange, Nettie May Gifford, crop specialist, Jacksonville, Fla.

Gardener, Indian River, Fla., 1899-1903; grove owner, Indian River, 1903-17. *Auth.:* Citrus Culture for Profit, 1911; Control of Insects and Diseases in Grove, Garden and Field, 1912; Key to Success, 1913.—*b.* Royalton, Vt., Sept. 13, 1867; *d.* Henry T. and Sarah Jane (Woodworth) Gifford; reared on farm; *m.* Frederick C. Prange, Oct 10, 1893; *c.* Carl A.

Pratt, Burr Bartram, superv. insp., Food Products Insp. Serv., Bur. Markets, U. S. Dept. Agr., Chicago, Ill.; 1886-Oct. 12, 1918. See Rus 1918.

Pratt, Helen Columbia, home dem. agt., Sault Ste. Marie, Mich.

b. Berrien Co., Mich., Oct. 13, 1892 *d.* Wilmer M. and Nellie M. (Bartram P.; reared on farm. B.S., Mich. Agr. Coll., 1916.

Prentice, Burr Norman, asst. prof. for., Purdue Univ., LaFayette, Ind.

Instr. for., Purdue Univ., 1914-7; asst. prof., 1917–.—*b.* Berkshire, N. Y. Aug. 1 1888; *s.* Norman A. and Grace I. (Howland) P.; reared in village; *m.* Ruth G. Clark, Jan. 1, 1915; *c.* Lucia R., June Louise. B.A., Syracuse Univ., 1912; M.F., N. Y. State Coll. For., Syracuse, 1913. Sigma Phi Epsilon.

Prescott, Maurice Sheldon, ed. and pub., Syracuse, N. Y.

Mem. firm Hastings and Prescott, Holstein pedigrees and sales; co-founder (with Hastings) and ed. Black and White Record, 1916-8; ed. Holstein-Friesian World, 1914-5, 1918–. Treas. N. Y. Holstein-Friesian Assoc., 1918-20. —*b.* Hastings, N. Y., Dec. 24, 1892; *s.* Homer Albert and Helen Theresa (Wadsworth) P.; reared on farm; *m.* Flora Elizabeth Stone, Oct. 20, 1913; *c.* Wm. Theodore, Patricia Stone, Helen Elizabeth. Student Cornell Univ., 1912.

Preston, Charles Fairlamb, farmer, R.D. 1, Nottingham, Pa.

Asst. hort., Green Ridge Valley Orchard Co., 1911-3; agrl. agt., Chester Co., Pa., 1913-7; asst. state leader co. agts., Penn State Coll., 1917-9.—*b.* Tayloria, Pa., June 30, 1888; *s.* Forest and Alice (Fairlamb) P.; reared on farm; *m.* Bessie J. Hoffman, Sept. 9, 1914; *c.* Dora Levisee, Forest, Mildred. B.S., Penn. State Coll., 1911. Delta Upsilon; Alpha Gamma Rho.

Prettyman, Hugh W., supt. W. Va. dem. fruit packing sch. and hort. ext. specialist, W. Va. Univ., Morgantown, W. Va.

Agrl. agt., Mingo Co., W. Va., 1917-8; agt. Mineral Co., 1918-9; present position, 1920–.—*b.* Sistersville, W. Va., Aug. 1, 1892; *s.* Rufus Peter and Sara Cathryn (Bookman) P.; reared on farm; *m.* Era Brake, June 16, 1917. B.S.A., W. Va. Univ., 1917.

Price, Earl, co. agrl. agt., Harrisburg, Ill.

Dean agr., Valparaiso Univ., 1914-7. (Limestone in agr.).—*b.* Topeka, Ind., Nov. 29, 1883; *s.* John and Emmeline (Barnes) P.; reared on farm; *m.* Leta Kline, Aug. 20, 1910; *c.* John, Mary, Jas., Virginia. A.B., Wabash Coll., 1909; B.S., Purdue Univ., 1914.

Price, Harvey Lee, dean agrl. dept. and prof. hort., Va. Poly. Inst., Blacksburg, Va.

Instr. hort., Va. Poly. Inst., 1900-3; prof. hort. and hort. Exp. Sta., 1903–; dean agrl. dept., 1908–. (Hort., genetics). —*b.* Price's Fork, Va., Mar. 18, 1874; *s.* Wm. Taylor and Margaret Ellen (Hawley) P.; reared on farm; *m.* Daisy Conway, Sept. 21, 1904; *c.* W. B. Conway, Harvey L. Jr., Mary Luster, Jule. B.S., Va. Poly. Inst., 1898; M.S., 1900.

Price, Homer Charles, agrst., Newark, O.

Asst. hort., Ohio State Univ., 1899-1901; prof. hort., Ia. State Coll., 1901-3; dean Coll. Agr., Ohio State Univ., 1903-15. Mem. Agrl. Comn. of O., 1913-5; mem. O. State Bd. Agr., 1917–; chm. Fed. Milk Comn., 1918-9. Traveled in Europe, 1911-2. (Apples, Red Polled cattle).—*b.* Newark, O., Feb. 13, 1875; *s.* Thos. D. and Sarah Jane (Jones) P.; reared on farm; *m.* Gertrude Harlan, June 18, 1903; *c.* Thos. Harlan, Mary Elizabeth. B.Sc., Ohio State Univ., 1897; M.S.A., Cornell Univ., 1899. Sigma Xi; Alpha Zeta.

Price, James Clarence Conway, assoc. prof. hort., Ala. Poly. Inst., Auburn, Ala.

Instr. mech. arts, Va. Poly. Inst., 1904-7; insp., Va. Crop Pest Comn., 1907-9; instr. hort., Ala. Poly. Inst., 1909-13; assoc. prof., 1913–. Sec.-treas. Ala. State Hort. Soc.—*b.* Blacksburg, Va., Mar. 19, 1881; *s.* Jas. Crockett and Mary (Christiana) P.; reared on farm; *m.* Lulu Grace Coley, Oct. 28, 1908; *c.* Fred LeRoy, Jas. Wm. B.S., Va. Poly. Inst., 1908.

Price, James Newton, co. agrl. agt., Yakima, Wash.

Asst. dairying, Univ. Mo., 1905-6; head dairy dept., Univ. Tenn., 1906-8; farmer, Trenton, Mo., 1908-11; Cabinet, Ida., 1911-4; ext. specialist dairying, Wash. State Coll., 1914-7. 1st. pres. Mo. Corn Growers Assoc.—*b.* Grundy Co., Mo., Dec. 26, 1879; *s.* John W. and Mary Frances (Reynolds) P.; reared on farm; *m.* Cora Matheny, June 18, 1905; *c.* Frances Ellen, Katharine Elizabeth, Marian Esther. B.S.A., Univ. Mo., 1905.

Price, Minnie, home dem. agt., 244 Main St., Springfield, Mass.

Teach. rural schs., Ore., 1906-7; superv. household arts, Salem, Ore., 1911-3; home dem. agt., Hampden Co. Improvement League, 1915–.—*b.* Kings Valley, Ore.. Dec. 2, 1888; *d.* Willard Lane and Sarepta (Norton) P.; reared on farm. B.S., Columbia Univ., 1915.

Price, Oscar Gibson, co. agrl. agt., Greensburg La.

Teach. sci. and agr., Pride Agrl. High-Sch., Pride, La., 1915-7.—*b.* Ill., Apr. 26, 1886; *s.* E. C. and D. J. P.; reared in country; *m.* Susie Effie Yancey, Oct. 2, 1913 (d. 1918); 2d, Lucy Dean Holland, Apr. 20, 1919. B.S.A., Univ. Ark., 1915.

Price, Walter Allen, assoc. prof. ent., Purdue Univ., LaFayette, Ind.

Lab. asst., Ohio State Univ., 1912-3; grad. asst., 1913-4; lab. asst., Purdue Univ., 1914-5; instr., 1915-7; asst. prof. ent., 1917-9; assoc. prof., 1919–.—*b.* Columbus, O., Feb. 25, 1887; *s.* Chas. W. and Charlotte (Allen) P.; reared on farm. B.S.A., Ohio State Univ., 1913; M.S., 1916.

Pridmore, James C., agron., Southern Fertilizer Assoc., Shreveport, La.

Assoc. prof. agron., Univ. Tenn., 1911-7; present position, 1917–.—*b.* Gaffney, S. C., Mar. 3, 1885; *s.* Samuel G. and Amanda E. (Byars) P.; reared on farm; *m.* Helen Hortense Sharp, Dec. 26, 1911. B.S., Clemson Agr. Coll., 1909; M.S., Univ. Wis., 1911.

Prince, Ford Smoot, co. agrl. agt., Xenia, O.

Instr. soils, Mich. Agr. Coll., 1913-4; asst. prof. agron., N. H. A.& M. Coll., 1914-8.—*b.* Conover, O., Nov. 14, 1887; *s.* W. H. and Eva (Smoot) P.; reared on farm; *m.* Alice Fletcher, Dec. 27, 1917. B.S., Univ. Ill., 1913. Beta Theta Pi; Alpha Gamma Rho.

Prisock, Neal, co. agrl. agt., Carrollton, Ala.

Co supt. educ., 1916-20.—*b.* Louisville, Miss., Feb. 14, 1890; *s.* J. W. P.; reared on farm; *m.* Ellen Portia Bradley, June 28, 1919. B.S., Miss. A.& M. Coll., 1915.

Prosser, Hubert Timothy, fed. land appraiser and consulting agrst., Hamlet, N. C.

Asst. prof. agr., Univ. Fla., 1912; agrl. agt., Seaboard Air Line Ry., 1913-5; asst. development agt., 1915-7; U. S. land appraiser, 3rd Land Bank Distr., 1917-8; agrl. agt. Durham Co., N. C., Feb.-July, 1919; present position, 1919–. Mem. U. S. Naval Board of Valuation. Dir. Chamber of Commerce, Hamlet; dir. Richmond Co. Fair Assoc. Fruit farmer and cotton planter, Richmond Co., N. C., 5 yrs.; general farmer, S. C., 10 yrs.—*b.* Florence Co., S. C., Apr. 10, 1889; reared on farm. B.S.A., Clemson Agr. Coll., 1912.

Prucha, Martin John, assoc. prof. dairy bact. and assoc. chief in Exp. Sta., Univ. Ill., Urbana, Ill.

Asst. bact., N. Y. Agr. Exp. Sta., Geneva, 1903-7; assoc. bact., 1907-10; fellow in agr., Cornell Univ., 1910-2; instr. plant physiology, 1912-3; asst. prof., 1913-4; asst. prof. dairy bact., Univ. Ill., 1914-8; assoc. prof., 1918–.—*b.* Bohemia, Nov. 11, 1874 (naturalized 1909); *s.* John and Anna P.; reared in town; *m.* Elizabeth Gertrude Catchpole, 1907; *c.* Arnold Abbott, Marjorie Grayston, Martin J. Jr. Ph.B., Wesleyan Univ., 1903; M.S., 1908; Ph.D., Cornell Univ., 1913. Sigma Xi; Delta Tau Delta.

Pugsley, Charles William, ed. The Nebraska Farmer, Lincoln, Neb.

Prof. Woodbine Normal Sch., 1899-1902; on farm, 1906-8; asst. prof. an. husb., Univ. Neb., 1908-9; head prof. agron. and farm manag., 1909-11; head prof. farm manag. and dir. ext., 1911-8; state leader co. agts. and boys' and girls' club work, U. S. Dept. Agr., 1912-8; present position, 1918–. State statistical agt., 1910-4. U. S. del. to Intern. Inst. of Agr., Rome, Italy, 1913; Neb. mem. Rural Credit Comn. to Europe. Mem. Neb. Constitutional Convention, 1919-20.—*b.* Woodbine, Ia., Aug. 12, 1878; *s.* Geo. and Alice Ida (Kennedy) P.; reared on farm; *m.* Lillian Florence Gibson, Feb. 22, 1906; *c.* Albert LeRoy. B.Sc., Univ. Neb., 1906. Alpha Zeta; Gamma Sigma Delta.

Pullen, John Stanley, co. agrl. agt., Munfordville, Ky.

Princ. agrl. high-schs., 1909-12; head agrl. dept., E. Ky. State Normal, 1912-8; agrl. agt. Hart Co., 1918–.—*b.* Lynnville, Ky., Nov. 13, 1882; *s.* Samuel G. and Agnes Elizabeth (Ladd) P.; reared on farm; *m.* Kate Thompson, 1907; 2d, Mabel Garrett. 1919; *c.* Gwenn Page, Carthon Ladd, Mary Elizabeth. B.S., Peabody Coll.

Putnam, Dwight Field, co. agrl. agt., Wampsville, N. Y.

Farmer, Fla., 3 yrs.; princ. schs., 4 yrs. Dir. Madison Co. Coop. Marketing Assoc.—*b.* Prattsburg, N. Y., Sept. 7, 1885; *s.* Aaron and Ada (Graves) P.; reared on farm; *m.* Edna Howard, July 18, 1911; *c.* Marian Clarissa. Ph.B., Syracuse Univ., 1911. Sigma Phi Epsilon.

Putnam, George Alfred, supt. insts. and dir. dairying, Dept. Agr., Toronto, Ont.

Pres. Amer. Assoc. of Farmers Inst. Workers. Directed development of women's insts. in Ont.—*b.* Lyons, Ont., Nov. 28, 1869; *s.* Peter Jas. and Jane (Secord) P.; reared on farm; *m.* May Shuttleworth; *c.* Medeline, Ross. B.S.A., Univ. Toronto, 1900.

Putnam, Joseph Henry, co. agrl. agt., Greenfield, Mass.

Supt. hort. dept. and asst. hort. Exp. Sta., Mass. Agr. Coll., 1895-7. Pres. Conn. Pom. Soc.; vice-pres. Patrons Exchange, Conn. (Stock breeding, fruit-growing).—*b.* Oxford, Mass., July 24, 1872; *s.* Henry W. and Abbie E. (Locke) P.; reared on farm; *m.* Kate M. Taylor, Oct. 27, 1897; *c.* Ernest, Amy A., Ruth E., Catherine E., Richard E., Paul S. B.Sc., Mass. Agr. Coll., 1894. Kappa Sigma.

Putnam, Luther, hort. and farmer, Cambridge, Vt.

Teach., public schs., 4 yrs.; formerly nurseryman and distributor hardy fruits; grower potatoes and apples. Vice-pres. Vt. Hort. Soc.—*b.* Westford, Vt., Oct. 28, 1842; *s.* Joel and Esther (Howe) P.; reared on farm; *m.* Laura A. Safford, Dec. 25, 1863; 2d, Laura C. Kinsley, Mar. 6, 1872; *c.* Hattie, Safford, Annie, Laura, Kinsley, Homer, Mabel, Alice, Alma.

Putney, Fred Silver, prof. expl. dairy husb., Penn. State Coll., State College, Pa.; 1881-Oct. 5, 1918. See Rus 1918.

Q

Quackenbush, Ralph Wood, agrl. agt., New York Central Lines, Grand Centra Terminal, New York, N. Y.

Milk agt., N. Y., Ont. and Western R. R., 1905-17; present position, 1917–.—*b.* Warwick, N. Y., June 17, 1876; *s.* Jacob and Amelia (Wood) Q.; reared on farm; *m.* Eve Smith, Jan. 14, 1897; *c.* Ralph J., Alfred W., Dana S.

Quaife, Elvin Lee, assoc. prof. an. husb., Ia. State Coll., Ames, Ia.

Instr. and asst. prof. an. husb., Mass. Agr. Coll., 1911-7; present position, 1917–. Traveled in Europe.—*b.* Ionia Ia., Nov. 29, 1887; *s.* Chas. Alfred and Alice E. (Day) Q.; reared on farm; *m.* Helen A. Marshall, Aug. 12, 1913; *c.* Margaret A., Virginia. B.S., Ia. State Coll., 1911. Alpha Zeta; Delta Sigma Rho.

Quaintance, Altus Lacy, ent. in chg. deciduous fruit insect invests., Bur. Ent., U. S. Dept. Agr., Washington, D. C.

Ent., Ala. Poly. Inst., 1894; Fla. Agr. Coll. and Exp. Sta., 1895-8; Ga. Exp. Sta., 1899-1901; Md. Agr. Coll. and Exp. Sta., state ent., 1901-3; with Bur. Ent., 1904–. Fellow A. A. A. S.; Ent. Soc. Amer. Pres. Amer. Assoc. Econ. Ent., 1904; pres. Ent. Soc. Washington, 1912; sec. Md. State Hort. Soc., 1902-3.—*b.* New Sharon, Ia., Dec. 19, 1870; *s.* G. P. and Sarah Jane (Hughes) Q.; reared in small town; *m.* Helen May Yocum, Dec., 1895; *c.* L. C., H. W. B.S.A., Univ. Fla., 1893; M.Sc., Ala. Poly. Inst., 1894; D.Sc., 1915. Sigma Alpha Epsilon.

Qually, Arvil Edwin, instr. mech., Sch. Agr., Claresholm, Alta.

Dem., Ind. School of Tractioning, La Porte, 1913-4; present position, 1915–. (Agrl. engin., gas tractors).—*b.* Davenport, N. D., Dec. 23, 1890 (naturalized Canadian, 1914); *s.* E. B. and Emma (Fossey) Q.; reared on farm; *m.* Jessie Edythe Yakam, Dec. 25, 1913; *c.* Gladys, Maxiene, Wayne. B.S.A., Man. Agr. Coll., 1912.

Questel, Benjamin Harrison, co. agrl. agt., Spencer, W. Va.
2d Lieut., U. S. Army, 1918.—*b.* Herald, Ill., Nov. 3, 1888; *s.* E. T. and Lilly A. (Marlin) Q.; reared on farm. B.S., Univ. Ill., 1916. Alpha Zeta.

Quick, Herbert, writer, farmer and orchardist, Berkeley Springs, W. Va.
Farmer in Ia., sch. teach. in Ia.; engaged in practice of law, Sioux City, Ia., 1890-1909; gen. manag. Neb. Clark Automatic Telephone Co. and Ia. Clark Automatic Telephone Co., 1902-6; ed. LaFollette's Weekly, Madison, Wis., 1908-9; ed. Farm and Fireside, 1909-16; on writing staff Saturday Evening Post and Country Gentleman, 1916; mem. Fed. Farm Loan Bd., 1916-9. Mayor Sioux City, 1898-1900. *Auth.:* In the Fairyland of America, 1903; Aladdin & Co., 1904; Double Trouble, 1905; The Broken Lance, 1907; American Inland Waterways, 1909; Virginia of the Air Lanes, 1909; Yellowstone Nights, 1911; On Board the Good Ship Earth, 1913; The Brown Mouse, 1915; The Fairview Idea, 1918; From War to Peace, 1918.—*b.* Grundy Co., Ia., Oct. 23, 1861; *s.* Martin and Margaret (Coleman) Q.; reared on farm; *m.* Ella D. Corey, Apr. 9, 1890.

Quick, William C., sci. asst. in pom. chg. northwestern storage invests., U. S. Dept. Agr., Box 1316, Yakima, Wash.
b. Saline Co., Ill., Aug. 29, 1888; *s.* Frank C. and Elizabeth (Reddick) Q.; reared on farm. B.S.A., Univ. Ark., 1914.

Quisenberry, James H., distr. agrl. agt., Frederick Hall, Va.
b. Mineral, Va., July 29, 1868; *s.* John S. and Charlotte A. (Bronaugh) Q.; reared on farm; *m.* Nettie L. Sims, May 11, 1898; *c.* Maxwell, Nettie A., Elsie H., J. Nuel. Studied Va. Poly. Inst.

Quist, John Sherman, co. agrl. agt., Denison, Ia.
b. Essex, Ia., Apr. 13, 1891; *s.* P. J. and Matilda (Johnson) Q.; reared on farm. B.S., Ia. State Coll., 1917.

R

Rabild, Helmer, in chg. dairy ext., Dairy Div., U. S. Dept. Agr., Washington, D. C.
Instr. Mich. Agr. Coll., winter-course, 1902-6; in chg. Chesterfield Creamery, Mich., 1902-3; Alma Creamery, 1904; deputy dairy and food comnr., Mich., 1905-7. (Cow testing and bull assocs.).—*b.* Denmark, Aug. 10, 1876 (naturalized 1905); *s.* Andreas Peter and Johanne R.; reared on farm; *m.* Ada Elizabeth Mauro, 1912. Grad. Denmark Agrl. Coll.

Ragsdale, Arthur C., ext. asst. prof. dairy husb., Univ. Mo., Columbia, Mo.
Instr. an. husb., Rutgers Coll., N. J., 1913-5; instr. and asst. prof. dairy husb., W. Va. Univ., 1915-6; present position, 1916–. Sec. Mo. State Dairy Assoc. —*b.* Aurora, Mo., Oct. 28, 1890; *s.* H. E. and Ida (Money) R.; reared in town and on farm. B.S.A., Univ. Mo., 1912. Alpha Zeta.

Raine, Cyrus Otway, farmer, Hayti, Mo.
Master Mo. State Grange; mem. State Highway Bd.—*b.* Hardin Co., Ky., Sept., 12, 1860; *s.* Thos. Jefferson and Margaretta A. (Mathis) R.; reared in country.

Ralston, Glancy Sherman, field hort., Va. Poly. Inst., Blacksburg, Va.
Asst. hort., Ore. Agr. Coll., 1912-4; ext. hort., Va. Poly. Inst., 1914-7; field hort., 1917–. (Bud formation and fruit production as influenced by environmental factors).—*b.* Slate Lick, Pa., Oct. 24, 1887; *s.* T. J. and Anna M. (Weaver) R;. reared on farm; *m.* Irene L. Pegg, Sept. 15, 1915; *c.* Robt. Allen. B. S., Colo. Agr. Coll., 1912; M. S., Ore. Agr. Coll., 1914. Alpha Zeta.

Ramsey, Frank Taylor, nurseryman, Austin, Tex.
Ex-pres. Tex. State Hort. Soc., Nut-Growers Soc., State Nurserymens Assoc. —*b.* Burnet Co., Tex., June 15, 1861; *s.* A. M. and Ellen (Taylor) R.; reared on farm; *m.* Annabel Sinclair, Aug. 20, 1884; *c.* J. Murray, Mrs. R. V. Murray, Mrs. C. C. Taylor, Mrs. H. F. Nitchke.

Ramsey, Glen Blaine, asst. plant path., Bur. Plant Ind., U. S. Dept. Agr., 139 N. Clark St., Chicago, Ill.
Teaching asst. bot., Ind. Univ., 1913-4; instr. bot., Univ. Me., 1914-6; asst. plant path., Me. Exp. Sta., 1916-8; ext. path. in Me. for U. S. Dept. Agr., 1918-

9; present position, 1919–. (Potato diseases and market path.).—*b.* Eagletown, Ind., May 21, 1889; *s.* H. W. and Lydia Jane (Stanley) R.; reared on farm; *m.* Vida Louise Sweetser, Oct. 17, 1918. A. B., Ind. Univ., 1913; M.A., 1914. Sigma Xi; Phi Sigma.

Ramsey, Henry J., field manag., Calif. Fruit Growers Exchange, Los Angeles, Calif.

Asst., Univ. Wis., 1903-4; student asst., N. Y. Agr. Exp. Sta., Geneva, 1904-5; asst. plant path., Univ. Calif., 1905-8; asst. prof., 1908-9; pom., Bur. Plant Ind., 1909-17; pom. in chg. handling and storage invests., Bur. Markets, U. S. Dept. Agr., 1917-9; present position, 1919–.—*b.* Hamlin Co., S. D., Dec. 17, 1881; *s.* Chas. E. and Anna (Stordahl) R.; reared on farm and in town; *m.* Emily Florence Jenney, Oct. 28, 1911; *c.* Richard Titus. B.S., S. D. State Coll., 1902; M.A., Univ. Minn., 1903. Sigma Xi.

Ramsower, Harry Clifford, dir. agrl. ext. serv., Ohio State Univ., Columbus, O.

Asst. prof. agron., Ohio State Univ., 1908-13; prof. agrl. engin., 1913-20. Sec.-treas. Amer. Soc. Agrl. Engin., 1918–.—*b.* Granville, O., Jan. 6, 1880; *s.* J. N. and Katherine (Graves) R.; reared on farm; *m.* Helen W. Keller, June 9, 1909; *c.* Harry C. Jr. B.S.A., Ohio State Univ., 1906; special student engin., 1906-8. Alpha Zeta.

Randolph, Halley Burnside, co. agrl. agt., Noblesville, Ind.

b. Covington, Ind., July 30, 1891; *s.* Fred. E. and Ora B. (Burnside) R.; reared on farm; *m.* Gail W. Bushy, Aug. 19, 1914; *c.* Halfred Fremont. B.S., Univ. Ill., 1914. Phi Kappa Psi.

Rane, Frank William, agrl. dir. and treas. East Coast Finance Corporation, W. Palm Beach, Fla.

Hort. and microscopist, W. Va. Exp. Sta., 1892-5; prof. agr., W. Va. Univ., 1893-5; prof. agr. and hort., N. H. A.&M. Coll., 1895-8; prof. hort., 1898-1900; prof. hort. and for., 1900-6; Mass. state for., 1906-20. Fellow A. A. A. S. Mem. Mass. Conservation Comn.; For. Taxation Comn.; Mass. For. Comn.; sec. Soc. Promotion Agrl. Sci., 5 yrs. Del. Intern. Ent. Congress, Oxford, England, and to study the forests of Belgium, Switzerland, Germany and France, 1912. Owner Boston Gardening Co.—*b.* Whitmore Lake, Mich., Dec. 11, 1868; *s.* Wm. B. and Ellen (Connelly) R.; reared on farm; *m.* Elizabeth Bailey, Sept 6, 1893; *c.* Janet, Fannie, Ainsworth. B.Agr., Ohio State Univ., 1891; M.S., Cornell Univ., 1892. Phi Delta Theta; Alpha Zeta.

Rankin, Fred Henry, prof. agrl. ext. and asst. dean Coll. Agr., Univ. Ill., Urbana, Ill.

Present position, 1901–. Sec. dept. live-stock, St. Louis Expos., 1904.—*b.* Athens, Ill., May 18, 1865; *s.* Henry B. and Alma (Hurd) R.; reared on farm; *m.* Jenny N. Girty, July 29, 1904. B.S., Ill. Coll., Jacksonville, 1887. Psi Upsilon; Alpha Zeta; Alpha Gamma Rho.

Rankin, John Moses, dir. agrl. ext. dept., Emerson Brantingham Implement Co., Rockford, Ill.

Formerly supt. field sta., U. S. Dept. Agr., Rockville, Md.—*b.* St. Clair, Mich., Oct. 15, 1875; *s.* John and Abigail (Frasier) R.; reared on farm; *m.* Evelyn Irva Willett, May 15, 1905; *c.* John Willett, Irva Josephine. B.S., Mich. Agr. Coll., 1902.

Rankin, John Owen, prof. rural econ., Univ. Neb., Lincoln, Neb.

Chg. information serv., Univ. Minn. and Univ. Mo., Colleges of Agr.: asst. prof., Univ. Wis.; assoc. prof. agrl. econ., Ia. State Coll.; present position, 1918–.—*b.* Tarkio, Mo., Apr. 17, 1884; *s.* T. B. and Edith (Owens) R.; reared on farm. A.B., Tarkio Coll., 1904; B.S.A., Ia. State Coll., 1908; A.M., Geo. Washington Univ., 1912. Delta Upsilon; Gamma Sigma Delta; Delta Sigma Rho.

Rankin, William Howard, officer-in-chg. Dominion Lab. of Plant Path., St. Catherines, Ont.

Instr. plant path., Cornell Univ., 1912-4; asst. prof., 1914-9. *Auth.*: Manual of Tree Diseases, 1918.—*b.* Richmond, Ind., Apr. 3, 1888; *s.* Wm. Thos. and Mary Elizabeth (Cones) R.; reared in city; *m.* Beulah May Hough, Mar. 24, 1911; *c.* Wilbur Hough, Helen Elizabeth, Louise Alice. B.A., Wabash Coll. 1910; Ph.D., Cornell Univ., 1914. Phi Beta Kappa; Sigma Xi.

Ransom, Brayton Howard, chief zool. div., Bur. An. Ind., U. S. Dept. Agr., Washington, D. C.

U. S. del. to 7th Intern. Zool. Congress, 4th Intern. Fishery Congress. Fellow A. A. A. S.; corresponding mem. Soc. de path. exot. Mem. ed. bd., Journal of Parasitology. (Parasitology, med. zool.).—*b.* Missouri Valley, Ia., Mar. 24, 1879; *s.* Geo. Howard and Martha R. (Roach) R.; reared in town; *m.* Sarah Virginia Smith, May 4, 1904. B.Sc., Univ. Neb., 1899; M.A., 1900; Ph.D., 1908; fellow in zool., Univ. Mo., 1900-1, Univ. Neb., 1901-2; student Geo. Washington Med. Sch., 1902-4. Phi Beta Kappa; Sigma Xi; Beta Theta Pi.

Rapp, Charles Workman, asst. prof. hort., Okla. A.&M. Coll., Stillwater, Okla.

Sec. Okla. State Hort. Soc., 1919-20. In U. S. Army, 1917-9.—*b.* Smithland, Ia., Dec. 17, 1895; *s.* John and Emma (Swiekheimer) R.; reared in town and on farm; *m.* Leona White Abercrombie, Aug. 16, 1917. B.S., Okla. A.&M. Coll., 1915. Alpha Zeta.

Rapp, Eli Miller, co. supt. schs., Reading, Pa.

Pres. rural dept., Nat. Educ. Assoc. (Rural educ.).—*b.* Oley, Pa., Mar. 20, 1865; *s.* Amos and Louise (Miller) R.; reared on farm and in village; *m.* Annie S. Merkel, 1886; *c.* Herbert M., Scott M., Mrs. Willard Baer.

Rasmussen, Frederik, sec. Penn. Dept. Agr., Harrisburg, Pa.

Asst. dairying, Purdue Univ., 1904-6; asst. prof., Ia. State Coll., 1906-7; assoc. prof., N. H. A.&M. Coll., 1907-9; prof., 1909-16; prof. dairy husb., Penn. State Coll., 1916-9; present position, 1920–. Del. to 6th Intern. Dairy Congress, Berne, Switzerland. Pres. Official Dairy Instrs. Assoc.; pres. N. H. Sanitary Milk Assoc.; sec. Granite State Dairymens Assoc.; mem. U. S. Food Admins. of Pa.—*b.* Osterheden, Hals, Denmark, July 18, 1876 (naturalized 1912); *s.* Nels and Kirstine (Jensen) R.; reared on farm. *m.* Faith Elliott, Oct. 2, 1919. B.S.A., Ia., State Coll., 1905. Alpha Zeta; Alpha Tau Alpha; Phi Kappa Phi.

Rast, F. M. Jr., asst. prof. soils and fert., Univ. Fla., Gainesville, Fla.

Agrst., 4th distr. A. & M. Sch., Carrollton, Mo., 1911-3; present position, 1914–.—*b.* Orangeburg, S. C., Nov. 21, 1890; *s.* F. M. and Emma R.; reared on farm. B.S., Clemson Agr. Coll.; M.S., Univ. Wis. Sigma Alpha Epsilon.

Rast, Loy Edmund, jr. prof. in chg. cotton ind., Univ. Ga., Athens, Ga.

Tutor, Univ. Ga., 1911; instr., 1912-3; adj. prof., 1913-4; prof., 1914–. Sec. Ga. Breeders Assoc., 1913–.—*b.* Palatka, Fla., Oct. 17, 1885; *s.* W. W. and Mattie C. (Bryan) R.; reared on farm; *m.* Clara Louise Rentz, June 23, 1914; *c.* L. E. Jr., Sara Eloise. B.S.A., Univ. Ga., 1911; M.S.A., 1918. Alpha Zeta.

Raut, Alfred, co. agrl. agt., Perryville, Mo.

Bank clerk, 1891-9; general farmer, Hoopeston, Ill., 1899-1911; formerly distr. agrl. agt., Piedmont, Mo. (Dairy husb.).—*b.* St. Louis, Mo., Feb. 17, 1874; *s.* Julius Rautenstrauch and Anna (Nictor) R.; reared in city; *m.* Lillie Maud Bowen, Sept. 10, 1899 (d. 1911); 2d, Ellenora Lee Silger, Dec. 23, 1918; *c.* Earle, Anna Caroline. B.S., Univ. Ill., 1914.

Rawl, Bernard Hazelius, asst. chief of Bur. and chief Dairy Div., Bur. An. Ind., U. S. Dept. Agr., Washington, D. C.

Instr. an. husb. and dairying, Clemson Agr. Coll., 1902-5; in chg. dairy farming invests., Dairy Div., 1905-9; chief, 1909–; asst. chief of Bur., 1918–. Mem. Bd. Trustees, Clemson Agr. Coll. —*b.* Lexington, S. C., May 2, 1876; *s.* Benj. and Margaret (Souter) R; reared on farm; *m.* Mary Bunting, Jan. 11, 1912. B.S., Clemson Agr. Coll., 1900.

Ray, Glenn Scott, field agt., U. S. Bur. Crop Estimates, Spokane, Wash.

Instr. farm crops, Univ. Ida., 1915-6; head dept., 1916-8; emergency co. agt., Adams Co., Wash., Mar.-June, 1918; ext. agron., Colo. Agr. Coll., 1918-9; present position, 1919–.—*b.* Osceola, Neb., Sept. 17, 1890; *s.* Grant T. and Lizzie B. (Henderson) R.; reared in town. B.S.A., Colo Agr. Coll., 1915. Alpha Zeta.

Raymond, Clinton Beaumont, co. agrl. agt., Belmont, N. Y.

Farmer, 1913-6; teach. agr., high-sch., Greigsville, N. Y., 1916-8; present posi-

tion, 1918–. Sec.-treas. Allegany Co. Farm Loan Assoc.—*b.* Penfield, N. Y., Jan. 5, 1889; *s.* Chas. Clinton and Francella Elizabeth (Smith) R.; reared on farm; *m.* Lonnelle Lovejoy, July 2, 1919. B.S., Cornell Univ., 1913.

Rayner, Olin Stuart, farm manag. dem., Colo. Agr. Coll., Fort Collins, Colo.

With Off. Farm Manag., U. S. Dept. Agr., summer 1911; field work in cost-accounting, Ill., 1912-4; asst. prof. agron., Colo. Agr. Coll., 1914-7; in chg. ext. schs. and asst. state leader co. agts., 1917-8; farm manag. dem., 1918–.—*b.* Marshfield, Mo., July 9, 1888; *s.* J. J. and Sarah Adella (Crosby) R.; reared on farm; *m.* Elizabeth A. Vance, 1917. B.S.A., Univ. Mo., 1912. Gamma Sigma Delta.

Read, John William, prof. and head dept. agrl. chem., Univ. Ark., Fayetteville, Ark.

Prof. chem. and agr., Ill. Coll., Jacksonville, 1908-10; asst. chem., Univ. Ill., 1912-5; prof. sci., State Normal, Gunnison, Colo., 1915-6; prof. chem. and physics, State Normal, Hays, Kans., 1916-8; present position, 1918–.—*b.* Mexico, Mo., Jan. 31, 1882; *s.* Granville and Mary Ellen (Burns) R.; reared on farm; *m.* Olive Elizabeth Olander, Aug. 28, 1916. B.S.A., Univ. Mo., 1907; M.S.A., 1908; fellow Univ. Ill., 1910-2. Alpha Zeta; Alpha Chi Sigma.

Read, Otis B., state sec. Y. M. C. A. rural work, 19 S. LaSalle St., Chicago, Ill.

b. Plainfield, N. H., June 7, 1884; *s.* Geo. E. and Mary Annie (Chute) R.; reared on farm; *m.* Minnie Jane MacGillvary, Oct. 17, 1909; *c.* Otis B. Jr., Margaret Annie, Grace Minnie. A.B., Colby Coll., 1909. Alpha Tau Omega.

Reaugh, Harry W., manag. Irrig. Co., Neppel, Wash.

Nurseryman and orchardist, 1908-15; co. agrl. agt., Ephrata, Wash., 1915-8; manag. Grant Realty Co., 1918; co. food adminis., 1918.—*b.* Murrayville, Ill., July 21, 1881; *s.* Daniel L. and Ida (McKee) R.; reared on farm; *m.* Anna Magnuson, Sept. 24, 1908; *c.* Daniel M., Orland H., Myrl A., Dorothy E. B.S., Wash. State Coll, 1908. Alpha Zeta.

Recknagel, Arthur Bernard, prof. for., Cornell Univ., Ithaca, N. Y.

Present position, 1913–. Study and travel in Europe, 1 yr. Consulting for., Empire State For. Products Assoc.; mem. War Com., Soc. Amer. For.; mem. Wood Fuel Adv. Com., State of N. Y. Mem. Hdqrs. Co., 3d Brigade, N. Y. Guard. *Auth.*: The Theory and Practice of Working Plans, 1913 (2d ed., 1917); (with Bentley) Forest Management, 1918. *Ed.*, Forestry Quarterly, now Journal of Forestry, 1913–.—*b.* Brooklyn, N. Y., Dec. 15, 1883; *s.* John Hermann and Marie (Westerman) R.; reared in city and on farm; *m.* Mary Thomas Miller, Aug. 25, 1909; *c.* Bernard Westerman, Thos. Miller. B.A., Yale Univ., 1904; M.F., 1906. Sigma Xi.

Reddick, Donald, prof. plant path., Cornell Univ., Ithaca, N. Y.

Asst. bot., Cornell Univ., 1905-7; asst. plant path., 1907-8; instr., 1908-9; asst. prof., 1909-11; prof., 1911–. Fellow A. A. A. S. *Ed.*, Phytopathology, 1915-8; path. sect., Botanical Abstracts, 1918-20; chm. Bd. of Control, 1918–.—*b.* Sheridan, Mo., Mar. 1, 1883; *s.* Elias Albert and Anna (Boone) R.; reared on farm; *m.* Emma Brill, Oct. 19, 1909; *c.* Robt. Brill, Emma Louise, Anna Elizabeth. A.B., Wabash Coll., 1905; Ph.D., Cornell Univ., 1909. Sigma Xi; Gamma Alpha.

Redman, Ralph Woodbury, acting dir. ext. serv., Mass. Agr. Coll., Amherst, Mass.

Instr. and asst. prof., Univ. Me., 1910-3; asst. dir. ext., 1914-6; with Off. Ext. Work, N. & W., U. S. Dept. Agr., 1916-8; present position, 1919–. Sec. Me. Livestock Breeders Assoc., 1910-6.—*b.* Presque Isle, Me., June 5, 1885; *s.* Fred Leslie and Anne (Sanderson) R.; reared on farm; *m.* Grace MacFarland, Oct., 1910; *c.* Ruth S., Doris H., Leslie M. B.S., Univ. Me., 1912. Alpha Zeta; Phi Kappa Phi; Phi Eta Kappa.

Reed, Charles Dana, meteorologist, U. S. Weather Bur. and dir. Ia. Weather and Crop Serv., Des Moines, Ia.

Asst. in chg. coll. farm, Ia. State Coll., 1895-6; asst. in chg. field crops, Ia. Exp. Sta., 1897. (Effect of weather on crops, crop statistics and estimates).—*b.* near

Coon Rapids, Ia., Feb. 27, 1875; *s.* Dana and Alice C. (Webber) R.; reared on farm; *m.* Elmeta C. McGuire, Sept. 12, 1897; *c.* Chas. Dana Jr., Charlotte. B.Agr., Ia. State Coll., 1894; M.Sc. Agr., 1896.

Reed, Clarence Arthur, nut culturist, Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Asst. hort., Md. Agr. Coll., 1906-7; hort., W. Va. Exp. Sta., Sept.-Dec. 1907; present position, 1907–.—*b.* Howell, Mich., Jan. 23, 1880; *s.* Hiram Elmer and Rebecca Eliza (Tubbs) R.; reared on farm; *m.* Katherine McNaughton, Nov. 23, 1910. B.S., Mich. Agr. Coll., 1905; M.A., Mich. Agr. Coll., 1914.

Reed, Earle G., agrl. agt., Chicago, Burlington and Quincy R. R. and Colo. and Southern R.R., 464 Railway Exchange Bldg., Denver, Colo.

Formerly co. agrl. agt., Cheyenne, Wyo.—*b.* Chicago, Ill., Dec. 2, 1890; *s.* Harry G. and Marion H. (Hoagland) R.; reared in city and on farm. Studied 3 yrs., Colo. Agr. Coll. Sigma Delta.

Reed, Everett P., co. agrl. agt., Urbana, O.

Teach. rural sch., Putnam Co., O., 1907-9; asst. agron., N. Y. State Exp. Sta., 1914-8; agrl. agt., Champaign Co., O., 1918–.—*b.* Gilboa, O., Feb. 15, 1889; *s.* John M. and Ada (Crawfis) R.; reared on farm; *m.* Frances L. Laibe, Aug. 29, 1916; *c.* Frances Rosemary. B.S., Ohio State Univ., 1914.

Reed, Frederick James, co. agrl. agt., Moundsville, W. Va.

In Air Serv., U. S. Army, 18 mos. (Soils).—*b.* Volant, Pa., Oct. 3, 1893; *s.* Jas. H. and Mary M. R.; reared on farm. B.S., Univ. Ill., 1917. Alpha Zeta.

Reed, George Matthew, path. in chg. cereal smut invests., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Prof. sci., Amity Coll., 1900-3; asst. bot., Univ. Wis., 1904-7; instr., 1907; asst. prof. bot., Univ. Mo., 1907-12; prof., 1912-8; present position, 1919–. —*b.* Ingleside, Pa., May 2, 1878; *s.* Robt. and Mary (Walkinshaw) R.; reared on farm; *m.* Agnes Lymer, June 12, 1902. A.B., Geneva Coll., 1900; A.M., Univ. Wis., 1904; Ph.D., 1907.

Reed, George O., co. agrl. agt., Tiffin, O.

Live-stock farmer, Hancock Co., 1915-8. —*b.* Hancock Co., O., Nov. 22, 1893; *s.* John M. and Florence (Downing) R.; reared on farm. B.S.A., Ohio State Univ., 1915. Sigma Nu.

Reed, George Xenophon, Dave Peck Seed Co., Evansville, Ind.

Co. agrl. agt,. Ind., 3 yrs.; pres. Ind. Co. Agts., 1918-9. Lieut.-Col. Liberty Guards, Ind. (Soils).—*b.* Masonville, Ia., Aug. 26, 1889; *s.* S. E. and Minnie (Herrington) R.; reared on farm. B.S.A., Ia. State Coll., 1917. Gamma Sigma Delta.

Reed, Harry James, asst. dir., Purdue Univ. Exp. Sta., LaFayette, Ind.

Asst. hort., Purdue Exp. Sta., 1911; general manag. S. Ind. Orchards Co., 1912; co. agt., Rockville, 1913-6; assoc. hort., Purdue Exp. Sta., 1916-7; asst. dir., 1917–; farm dir., 1918. (Farm manag.).—*b.* Edgar Co., Ill., Feb. 9, 1887; *s.* J. H. and Julia (Smith) R.; reared on farm and in town; *m.* Julia M. Heick, Apr. 24, 1915. Purdue Univ., 1911. Phi Gamma Delta.

Reed, Howard Sprague, prof. plant physiology, Univ. Calif., Riverside, Calif.

Instr. bot., Univ. Mo., 1903-6; soil chem., Bur. Soils, U. S. Dept Agr., 1906-8; prof. mycology and bact., Va. Poly. Inst., 1908-15; plant path., Va. Exp. Sta., 1908-15; present position, 1915–. Fellow A.A.A.S. Traveled in Europe, 1913. *Auth.*: Manual of Bacteriology, 1914.—*b.* North East, Pa., Aug. 6, 1876; *s.* Joseph H. and Emma Gertrude (Sprague) R.; reared on farm; *m.* Hannah M. Dewey, Aug. 17, 1904. A.B., Univ. Mich., 1903; Ph.D., Univ. Mo., 1907. Sigma Xi.

Reed, Ollie Ezekiel, prof. dairy husb., Purdue Univ., LaFayette, Ind.

Asst., Univ. Mo., 1908-9; instr. milk production, Purdue Univ., 1909-10; asst. prof. dairy husb., Kans. State Agr. Coll., 1910-1; prof. dairy husb., 1911-8; present position, 1918–.—*b.* Fayette, Mo., Aug. 19, 1885; *s.* W. L. and Annie E. (Manion) R.; reared on farm; *m.* Lucy Ann Lee, June 8, 1910; *c.* Rosa Lee, Olive. B.S., Univ. Mo., 1908; M.S., 1910. Phi Kappa Phi; Alpha Zeta; Gamma Sigma Delta.

Reed, Thomas Cleveland, prof. an. husb. and dairying, N. C. State Coll., W. Raleigh, N. C.

Grad. asst., Univ. Mo., 1912-4; instr., 1915-6; assoc. prof. dairying, N. C. State Coll., 1916-7; prof., 1917-.—*b.* Howard Co., Mo., Jan. 2, 1888; *s.* Wm. L. and Annie E. (Manion) R.; reared in country and town; *m.* Gale B. Scott, Oct. 1, 1914; *c.* Scott, Thos. C. Jr. B.S., Univ. Mo., 1913; M.A., 1914. Gamma Sigma Delta.

Reed, Walter R., farmer, Amenia, N. D.

Treas. Amenia and Sharon Land Co., Red River Valley, N. D., 1893-1912; pres. and gen. manag., 1912-; pres. John Miller Co., grain comn., Minneapolis and Duluth. Mem. bd. trustees, State Normal Sch., Valley City, 1905-9; N. D. Agr. Coll., 1915. (Farm rental systems and contract forms).—*b.* Ellsworth, Conn., July 2, 1871; *s.* John H. and Florence (Chaffee) R.; reared on farm; *m.* Inetta Gowland, June 29, 1898; *c.* Eleanor, Elizabeth.

Reeder, Walter Cameron, prof. vet. med., N. C. State Coll., W. Raleigh, N. C.

Princ. agrl. high-sch., Calvert, Md., 1908-9; practiced vet. med., 1912-7; resident vet., Fairfield Dairy Co., Montclair, N. J., 1917; asst. prof. vet. med., N. C. State Coll., 1917-9; prof., 1919-.—*b.* Rising Sun, Md., Mar. 25, 1886; *s.* Maurice Curtis and Elizabeth (Maxwell) R.; reared on farm; *m.* Carolyn Elnora McCullough, Aug. 27, 1919. B.S.A., Md. State Coll., 1908; V.M.D., Univ. Penn., 1912; M.S., Md. State Coll., 1913. Omega Tau Sigma; Alpha Gamma Rho.

Rees, Ralph Waldo, ext. prof. pom., Cornell Univ., Ithaca, N. Y.

Research asst., Ore. Agr. Coll., 1910-2; ext. instr. pom., Mass. Agr. Coll., 1912-6; present position, 1916-.—*b.* Newberg, Ore., May 29, 1886; *s.* John Howard and Lucy (Hoskins) R.; reared on farm. A.B., Pacific Coll., 1907; B.S., Ore. Agr. Coll., 1910. Sigma Phi Epsilon.

Reeves, George Foster, co. agrl. agt., Center, Neb.

Teach. agr., high-sch., Sedalia, Mo., 1913-4; live-stock fieldman, Omaha Drovers Journal-Stockman, 1915; supt. schs., Hardy, Neb., 1915-6; fieldman, Hampshire Advocate, Peoria, Ill., 1916-7; present position, 1918-. (Swine).—*b.* Chillicothe, O., June 7, 1890; *s.* Edward E. and Maria (Foster) R.; reared in city and on farm; *m.* Jessie Dixon, 1913; 2d, Ida Ellingson, 1918; *c.* Ethel Mae, Geo. F. Jr., B.S.A., Univ. Mo., 1913.

Reeves, George I., ent. asst., U. S. Dept. Agr., 322 H St., Salt Lake City, Utah.

Asst. ent., Univ. Mo., 1903-4.—*b.* Morris, Ill., Mar. 4, 1879; *s.* D. A. and Eva Lucy (James) R.; reared on farm; *m.* Miriam Welles, Apr. 14, 1906. B.A., Univ. Ill., 1902.

Regan, Stephen Alvin, commercial grain and seed work, Caldwell Flour Mills, Caldwell, Ida.

State seed comnr. of Ida., 1914; formerly grain superv., Bur. Markets, U. S. Dept. Agr.—*b.* Boise, Ida., Apr. 30, 1893; *s.* Morgan and Lillian (Blackinger) R.; reared in town; *m.* Ruth Motie, Oct. 7, 1916. B.S.A., Univ. Ida., 1914. Kappa Sigma.

Regan, William Michael, prof dairy husb., Rutgers Coll., New Brunswick, N. J.

Asst. dairy husb., Univ. Mo., 1912-3; instr., 1913-5; asst. prof., Univ. Nev., 1916-7; present position, 1917-.—*b.* Joplin, Mo., Feb. 18, 1884; *s.* Wm. H. and Clara (Smith) R.; reared on farm. B.S., Univ. Mo., 1912; A.M., 1914. Gamma Sigma Delta; Gamma Alpha; Sigma Xi.

Rehling, Charles Henry, co. agrl. agt., Breese, Ill.

Supt. Brookwater Farm, Ann Arbor, Mich., 1915-6; supt. State Hospital farm, Pontiac, 1916-8.—*b.* Waterloo, Ill., Sept. 1, 1890; *s.* Fred C. and Minnie (Susewind) R.; reared on farm; *m.* Olinda L. Ruch, Sept. 21, 1915; *c.* Chas. Conrad. B.S., Univ. Ill., 1915. Alpha Zeta.

Reid, Robert Chester, farmer, Dexter, N. Mex.

Pres. Chaves Co. Farm and Livestock Bur.; pres. N. Mex. State Farm and Livestock Bur. Mem. N. Mex. State Tax Comn.; legal adv. to Governor. Served as private, Spanish-Amer. War; Capt. Infantry, World War.—*b.*

Etna Green, Ind., Dec. 24, 1876; *s.* John M. and Mary C. (Iden) R.; reared in town; *m.* Gertrude E. Humann, Jan. 23, 1906; *c.* John H., Robt. C. L.B., Univ. Indianapolis.

Reimer, Frank Charles, supt. S. Ore. Exp. Sta., Talent, Ore.

Asst. hort., Fla. Exp. Sta., 1903-5; asst., assoc., and prof. hort., N. C. A. & M. Coll., 1905-11; present position, 1911–. Traveled in Orient, 1917, 1919, to study and collect oriental pears. (Sulfur as fertilizer for legumes; pears). —*b.* Stevensville, Mich., Sept. 4, 1881; *s.* Chas. and Emilia R.; reared on farm; *m.* Annie Bellows, July 26, 1906; *c.* Lillian. B.S., Mich. Agr. Coll., 1903; M.S., Univ. Fla., 1905.

Reinking, Otto A., prof. plant path. and plant path. Exp. Sta., Coll. Agr., Univ. Philippines, Los Banos, Laguna, P. I.

Dir. agr., Mid Pacific Inst., Honolulu, Hawaii, 1913; farmer and hort., Md. and Va., 1914; instr. bot., Colo. Agr. Coll. and asst. bot. Exp. Sta., 1915-6; from asst. prof. to prof. plant path., Univ. Philippines, 1916–. Collaborator, U. S. Dept. Agr. in China, Siam and the East. Contributing ed., Philippine Journal of Science.—*b.* Madison, Wis., Feb. 11, 1890; *s.* J. J. and L. (Bierbach) R.; reared in city. B.S.A., Univ. Wis., 1912; M.S., 1915. Alpha Zeta.

Reisner, John Henry, dean Coll. Agr. and For. and dir. Exp. Sta., Univ. Nanking, Nanking, China.

Educ. and ind. serv. sec., Y. M. C. A., New Haven, Conn., 1911-3; asst. farm crops, Cornell Univ., 1913-4; present position, 1914–.—*b.* Fredericksburg, Va., Aug. 27, 1888; *s.* Jacob G. and Henrietta (Hartman) R.; reared in town; *m.* Bertha Betts, Aug. 10, 1914; *c.* Jessie Henrietta, John H. Jr., Sherwood Hartman. B.A., Yale Coll., 1911; M.S.A., Cornell Univ. Beta Theta Pi.

Reiss, Hazel Zoe, home dem. agt., St. Cloud, Minn.

Teach. home econ., high-sch., Hattiesburg, Minn., 1912-3; Stillwater, 1913-8; present position, 1918–.—*b.* Worthington, Minn., Feb. 10, 1888; *d.* W. J. and Janet W. (Gorrie) R.; reared in town. Grad. Stout Inst., Menomonie, Wis.

Reist, Henry Nissley, co. agrl. agt., Warren, Pa.

Instr. agr., high-sch., Amboy, Minn., 1913-5; present position, 1915–.—*b.* Mount Joy, Pa., Nov. 29, 1890; *s.* E. G. and Fianna (Nissley) R.; reared on farm. B.S., Penn. State Coll., 1913. Delta Tau Delta.

Reitz, William Walter, superv. agr., Gregg Township Voc. Sch., Spring Mills, Pa.

Instr. soils, Penn. State Coll., 1911-2; instr. agr., high-sch., Jarrettsville, Md., 1912-3; superv. agr., high-sch., Mercer, Pa., 1914-7; present position, 1917–. —*b.* Friedens, Pa., May 2, 1885; *s.* Christ and Julian (Livingstone) R.; reared on farm; *m.* Ruth Irene Thomas, Dec. 28, 1912. B.S., Penn. State Coll., 1911; M.S., 1914. Alpha Gamma Rho.

Remsberg, John Homer, farmer and dairyman, Middletown, Md.

Del. to Md. State Grange, 1919; master Middletown Valley Grange. Ensign, Naval Aviation, 15 mos. (Livestock).—*b.* Middletown, Md., Feb. 15, 1897; *s.* Albert S. and Clara (Routzalin) R.; reared on farm. B.S., Md. State Coll., 1918. Sigma Phi Sigma.

Rexford, Frank A., nutr. superv. student serv., N. Y. Bd. Educ., New York City.

Teach. sci., Bay Shore high-sch., 1900-1; chem., Erasmus Hall high-sch., 1901-17; microscopical technique, N. Y. Univ. summer sch., 1905; lect., 1914-7; present position, 1918–.; chief zone dir., N. Y. State Boys' Working Reserve, 1918–; asst. dir. U. S. Boys' Working Reserve. Farmer, Earlville, N. Y., 1913–. *Auth.* One Portion Food Table, 1912.—*b.* Smyrna, N. Y., Aug. 22, 1876; *s.* Frank D. and Cornelia (Forman) R.; reared in town; *m.* Mary Gertrude Pratt, Jan. 1, 1903; 2d, Florence Gilliland, Dec. 23, 1910; *c.* Pratt. B.S., N. Y. Univ., 1905.

Reynolds, Arthur Pierce, co. agrl. agt., Wynne, Ark.

Princ. high-sch., Crossett, Ark., 1903-5; princ. Stone Co. Acad., Mt. View, 1905-7; in mercantile business, El Dorado, 1907-11; agrl. agt. Union Co., 1911-3; Arkansas Co., 1914-8; Prairie Co., 1919; Cross Co., 1920–. Sec. Hazen Marketing Assoc., Hazen, Ark. —*b.* near El Dorado, Ark., Dec. 27, 1877; *s.* Anthony and Mary Emma

(Pendleton) R.; reared on farm; *m.* Lucy Lenora McCurry, June 12, 1907. A.B., Hendrix Coll., 1903.

Reynolds, Elbert Brunner, agron. and supt. Tex. Agr. Exp. Sta., Angleton, Tex.

Instr. agron., Tex. A.&M. Coll., 1915-7; asst. prof., 1917-8; present position, 1918–. Farmer, Apache, Okla., 1909-11.—*b.* Moseley's Bluff, La., Dec. 1, 1890; *s.* Frank McCormick and Gertrude Arrondelle (Hester) R.; reared on farm. B.S., Okla. A.&M. Coll., 1914; M. S., Ia. State Coll., 1915. Alpha Zeta.

Reynolds, Ellen Ann, assoc. prof. home econ., Kans. State Agr. Coll., Manhattan, Kans.

Head sci. dept., Morton high-sch., Lexington, Ky., 1908-16; asst. prof. home econ., Univ. Ky., 1916-8; superv. urban work, Va. Poly Inst., Apr.-Oct. 1918; present position, 1919–. (House sanitation and hygiene).—*b.* Lexington, Ky.; *d.* Samuel Washington and Mary Elizabeth (Shulock) R.; reared in city and country. B.S., Univ. Ky., 1895; M.S., 1918; A.M., Univ. Chicago, 1919.

Reynolds, Ernest Shaw, prof. bot. and plant path., N. D. Agr. Coll., Agricultural College, N. D.

Asst. prof. bot., Univ. Tenn., 1909-12; present position, 1912–. Special agt., Off. For. Path., U.S. Dept. Agr., summer 1911; special agt., white pine blister rust, Minn., summer 1916; special agt., citrus canker eradication, Fla., summer 1917; special agt., Plant Disease Survey, U. S. Dept. Agr. on potato wart, summer 1919.—*b.* Glendale, Mont., Dec. 7, 1884; *s.* Henry Sheldon and Frances Adelia (Potter) R.; reared in city; *m.* Ruth Evelyn Caverly, Sept 3, 1912; *c.* Eleanor Frances, Ernest S. Jr. Ph.B., Brown Univ., 1907; A.M., 1907; Ph.D., Univ. Ill., 1909. Sigma Xi; Phi Kappa Phi; Gamma Alpha.

Reynolds, Myron Herbert, prof. vet. med., Univ. Minn., St. Paul, Minn.

Present position, 1893–. Mem. Minn. State Live-Stock Sanitary Bd., 1903–; Minn. Stallion Registration Bd., 1907–; Intern. Comn. on Control Bovine Tuberculosis. *Auth.*: Veterinary Studies for Agricultural Students, 7th ed. 1911.—*b.* Wheaton, Ill., Nov. 5, 1865; *s.* Gardner W. and Mary A. (Budd) R.; reared in village; *m.* Eva M. Kuhn, 1893; 2d, May I. Shaw, Mar. 31, 1897; *c.* Gardner Shaw, Mary Janet, Robt. Thos., Margaret Shaw. B.S., Ia., State Coll., 1888; D.V.M., 1889; M.D., Ia. Coll. Physicians and Surgeons, 1891; Ph.G., Ia. Coll. of Pharmacy, 1891.

Reynolds, Walker Rexford, distr. agrl. agt., Tyner, Ky.

Pres. Jackson Co. Fair Co.; co. chm. U. S. Public Serv. Reserve.—*b.* Ky., Sept. 28, 1877; *s.* Gilbert and Matilda (Mainous) R.; reared on farm; *m.* Mary M. Jones, Aug. 30, 1889; *c.* Coleman, Don Roy, Dorsey F., Sylvia, Henry Lester, Nannie D., Ona C., Marie, Walker R. Jr.

Rhoades, Elmer Lamont, farm manag. dem., Kans. State Agr. Coll., Manhattan, Kans.

Instr. farm manag., Univ. Neb., 1916; asst. prof., 1917; farm help specialist, 1917-8; co. agrl. agt., 1919; present position, 1919–.—*b.* Carrollton, Mo., June 10, 1893; *s.* H. K. and Viola (Broady) R.; reared on farm. B.S.A., Univ. Mo., 1916. Gamma Sigma Delta.

Rhoads, Wayland, ext. specialist in beef production, Ky. Exp. Sta., Lexington, Ky.

Co. agrl. agt., Kenton Co., Ky., 1915-9.—*b.* Frankfort, Ky., Sept. 30, 1892; *s.* McHenry and Ree (Crawford) R.; reared in city and on farm. B.S.A., Univ. Ky., 1915. Alpha Zeta.

Rhodes, Leroy, assoc. prof. agrl. engin., Tex. A.&M. Coll., College Station, Tex.

Asst. prof. agrl. engin., Tex. A.&M. Coll., 1915-9; assoc. prof., 1919–, 2d Lieut., Air Serv., France, 10 mos. (Irrig. drainage).—*b.* Geneva, Neb., Nov. 2, 1890; *s.* Herbert and Amelia C. (Nicholson) R.; reared on farm. B.Sc., Univ. Neb., 1915. Sigma Tau; Alpha Zeta.

Rhyne, Lila Melvin, home dem. agt., Roxboro, N. C.

Princ. rural schs., Edgecombe Co., N. C., 1915-8; home dem. agt., Person Co., 1918–.—*b.* White Oak, N. C., May 2, 1893; reared on farm; *m.* Walter N. Rhyne, Aug. 17, 1918; *c.* Max Melvin. B.S., N. C. Coll. for Women, 1914.

Rice, Charles Dobbs, asst. prof. path. and bact., Ia. State Coll., Ames, Ia.
Farmer, Ky., 1902-9.—*b.* Terrill, Ky., Mar. 16, 1882; *s.* Forrest and Ede R.; reared on farm; *m.* Lola Stephens, June 30, 1915; *c.* Chas. Fountain. Grad. Georgetown Coll., Ky., 1902; B.S., Ia. State Coll., 1913.

Rice, Frank Elmore, asst. prof. agrl. chem., Cornell Univ., Ithaca, N. Y.
Asst. instr. agrl. chem., Cornell Univ., 1909-12; instr., 1912-5; asst. prof., 1915–. (Chem. dairy products).—*b.* Cuba, Ind., July 31, 1887; *s.* W. H. and Ada (Medaris) R.; reared in town. A.B., Ind. Univ., 1909; Ph.D., Cornell Univ., 1914. Sigma Xi; Alpha Chi Sigma; Phi Sigma Kappa; Gamma Alpha.

Rice, James Edward, prof. poultry husb., Cornell Univ., Ithaca N. Y.
Farmer, Bucks Co., Pa., 1892-3; Yorktown, N. Y., 1893-1903; present position, 1903–. Pres. and sec.-treas. N. Y. State branch of Amer. Poultry Assoc. Lect. farmers insts. 13 yrs.—*b.* Aurora, Ill., Mar. 12, 1865; *s.* Jas. R. and Emeline (Wing) R.; reared on farm; *m.* Elsie Van Buren, 1888; *c.* Ruth Van Buren, Paul Kruger, J. E. Jr., John V., Alice V., Elizabeth V. B.S.A., Cornell Univ., 1890. Sigma Xi; Alpha Zeta.

Rice, Myron Arthur, co. agrl. agt., Bakersfield, Calif.
Ed. Kern Co. Farm Bur. Monthly. —*b.* Matawan, N. J., Dec. 16, 1892; *s.* Joseph and Clara (Anderson) R.; reared in country and city. B.S., Univ. Calif., 1916. Alpha Zeta.

Richards, Clarke A., co. agrl. agt., N. Vernon, Ind.
Farm manag., 1914-7. Proprietor The Soil and Limestone Testing Lab.; vice-pres. Permanent Soil Improvement Bur. (Liming the soil).—*b.* Adamsville, Wis., May 7, 1892; *s.* David Earl and Margaret (Theobald) R.; reared in city and on farm; *m.* Lucy Bevier, Nov. 9, 1915; *c.* Morris Bevier, Leslie Margaret. B.S.A., Univ. Wis., 1914.

Richards, Griffith, asst. prof. soils, Univ. Wis., Madison, Wis.
Instr. agr., high-sch., Little Falls, 1½ yrs.; agt. Price Co., Wis., 1914-9.—*b.* Cambria, Wis., Feb. 9, 1889; *s.* Griffith and Laura A. (Williams) R.; reared on farm. B. S., Univ. Wis., 1911. Alpha Zeta.

Richards, W. B., co. agrl. agt., Geneva, Ill.
Instr. an. husb., Univ. Wis., 1903-4; asst. prof. and prof., 1904-14; agrl. field agt., N. D. Agr. Coll., 1914-8; co. agrl. agt., Ellendale, N. D., 1918-9; agt. Kane Co., Ill., 1919–. Sec. N. D. Stallion Registration Bd.; sec. N. D. Live-Stock Assoc., 1905-15.—*b.* Cambria, Wis., Apr. 28, 1877; *s.* Griffith and Laura (Williams) R.: reared on farm; *m.* Avis L. Lockerby, Aug. 17, 1909; *c.* W. L., Rachel Avis. B.S.A., Univ. Wis., 1903. Alpha Zeta; Phi Kappa Phi.

Richardson, Frank Wilson, farmer and fruit-grower, Wyoming, Del.
b. Rising Sun, Del., Dec. 18, 1890; *s.* Robt. M. and Amelia (Soper) R.; reared on farm; *m.* Dorotha C. Voss, Jan 1, 1916; *c.* Wm. Mullett. B.S., Mich. Agr. Coll., 1915.

Richardson, Thomas Clarence, co. agrl. agt., Brownsville, Tex.
Stock farmer, 1895-8, 1902-4; teach. and princ. public schs., Tex. and Okla., 1898-1904; farmer and pub. newspaper, 1905-7; truck and gen. farmer, 1908-10; pub. newspaper and gen. community organizer, 1910-4; pub. newspaper and farmer, Ark., 1915; truck farmer, Tex., 1916-7; present position, 1918–.—*b.* Eastland, Tex., Mar. 25, 1877; *s.* A. J. and Sarah E. (Latham) R.; reared on farm; *m.* Dora Sutton, Aug. 25, 1901; *c.* Winnie Vivian, Violet Annie. Student Crowell Coll., Tex. A.&M. Coll.

Richert, Ethel Freda, home dem. agt., Scottsbluff, Neb.
b. Clay Center, Neb., Feb. 10, 1894; *d.* John Henry and Martha (Anthes) R.; reared on farm. B.Sc., Univ. Neb., 1917. Omicron Nu.

Rickards, John Ezra, field agt., U. S. Bur. Crop Estimates, 508 Custom House, San Francisco, Calif.
Lieut.-Gov. Mont., 1889-92; Gov., 1892-7; mem. Mont. Constitutional Convention, 1889.—*b.* Delaware City, Del., July 23, 1848; *s.* David T. and Mary (Burris) R.; reared on farm; *m.* Eliza A. Ellis, June 18, 1883; *c.* Howard B., Carlisle, Rachel.

Ricker, Paul L., farmer, Maitland, Mo.

State sec. Mo. Short Course Students Assoc. Served in France with U. S. Army, 10 mos.—*b.* Maitland, Mo., July 20, 1898; *s.* W. H. and Mary L. R.; reared on farm. Student Univ. Mo.

Ricker, Percy Leroy, asst. bot. forage crop invests., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Instr. biol., Univ. Me., 1900-1; sci. asst., Div. Agrostology, U.S. Dept. Agr., 1901-5; taxonomic and range invest., 1905-8; asst. bot., range invest., 1908-17; present title, 1917–. Fellow A. A. A. S. —*b.* Brunswick, Me., Mar. 27, 1878; *s.* Chas. H. and Susan C. (Lunt) R.; reared in town; *m.* Eliza M. Atkinson, Nov. 4, 1903; *c.* Alice Leavitt, Arthur Leroy, Carl Lunt, Mary Atkinson, Chas. Skofield, Warren Goold. B.S., Univ. Me., 1900; M.S., 1901.

Rickey, H. W., poultry specialist, ext. serv., Md. State Coll., College Park, Md.

Instr. poultry husb., R. I. State Coll., 1911-2; dir. boys' and girls' club work in Ky. for U. S. Dept. Agr., 1912-4; prof. poultry husb., R. I. State Coll., 1915-7; present position, 1917–.—*b.* Chestertown, Md., Jan. 7, 1877.

Riddick, Wallace Carl, pres. N. C. State Coll. Agr. and Engin., Raleigh, N. C.

Teach. public schs., Stokes Co., N. C., 1885-7; engin., Roanoke Navigation and Water Power Co., Weldon, 1890-2; prof. civil engin., N. C. State Coll., 1892-1916; pres., 1916–.—*b.* Raleigh, N. C., Aug. 5, 1864; *s.* Wiley Goodman and Anna Ivy (Jones) R.; reared on farm; *m.* Lillian Daniel, 1893; *c.* Wallace W., Lillian I., Narcissa D., Anna J., Eugenia T. B.A., Univ. N. C., 1885; C.E., Lehigh Univ., 1890; LL.D., Wake Forest Coll. and Lehigh Univ., 1917. Kappa Alpha.

Riddle, G. Louise, home dem. agt., Caldwell, Ida.

Head home econ. dept., high-sch., Sallisaw, Okla., 1909-10; Kuna, Ida., 1912-4; Caldwell, 1914-6.—*b.* Girard, Kans., Mar. 10, 1887; *d.* Alexander Pancoast and Ada (Fuller) R.; reared in town. A.B., Coll. of Sisters of Bethany, 1903; B.S., Kans. State Agr. Coll., 1908.

Ridgway, Joseph Wilder, prof. dairy husb., Tex. A.&M. Coll., College Station, Tex.

Asst. dairy husb., Miss. A.&M. Coll., 1905-6; dairy field worker, Dairy Div., U. S. Dept. Agr., 1906-7; asst. prof. an. ind., Ala. Poly. Inst., 1907-9; expl. work, Bur. An. Ind., 1909-10; present position, 1910–. Sec. Tex. Creameries Assoc.; sec.-treas. Tex. Dairymens Assoc.; sec.-treas. Holstein-Friesian Breeders Club of Tex.—*b.* Sessums, Miss., Aug. 11, 1886; *s.* R. B. and Margarette (Belle) R.; reared on farm; *m.* Gladys Harris, Dec., 21, 1910; *c.* Lillie Harris, Helen. B.S., Miss. A.&M. Coll., 1905; M.S., Ala. Poly. Inst., 1909.

Ridley, Vincent William, fruit transportation tech., Fruit Dispatch Co., Pier 15, E. River, New York, N. Y.

Sci. asst. in pom., Bur. Markets, U. S. Dept. Agr., 1914-9. Traveled in Cent. Amer. and W. Indies.—*b.* Warrensburg, Mo., Jan. 25, 1893; *s.* Cyrus C. and S. J. (Culley) R.; reared in country. B.S.A., Univ. Mo., 1914. Alpha Zeta.

Rieke, Benjamin Walter, co. agrl. agt., Albert Lea, Minn.

Manag. Carleton Coll. farms, 1916-7; state farm help specialist, Minn., Jan.-Mar., 1918; agrl. agt., Sibley Co., 1918-9; Freeborn Co., 1920–.—*b.* Nicollet Co., Minn., Mar. 23, 1890; *s.* Wm. F. and Clara (Miller) R.; reared on farm. B.A., Carleton Coll., Northfield, Minn., 1918.

Riford, Lloyd Stephen, in chg. milk production, Walker-Gordon Lab. Co., Plainsboro, N. J.

Asst. dairy husb., N. J. Exp. Sta. and instr., Rutgers Coll., 1915-7; present position, 1917–.—*b.* Randolph, Vt., Apr. 22, 1889; *s.* Horace Payne and Clarrisa (Walker) R.; reared on farm; *m.* Florence Trimmer, June 16, 1917. B.S., N.H. Coll., 1914; M.A., Univ. Mo., 1915. Sigma Xi; Alpha Zeta; Sigma Nu; Gamma Alpha.

Riggle, John James, co. agrl. agt., Painesville, O.

Asst. co. agt., Raleigh Co., W. Va., 1917; emergency dem. agt., O., 1918. 2d Lieut. Field Artillery, U. S. Army. —*b.* Middlebourne, W. Va., Aug. 31, 1895; *s.* Christian B. and Sallie A.

(Shaw) R.; reared in small town and on farm. B.S.A., W. Va. Univ., 1917; M.Sc., Ohio State Univ., 1919. Sigma Phi Epsilon; Alpha Zeta.

Riggs, Ernest J., farmer, Gallipolis, O.

Asst. hort., N. H. A.&M. Coll., 1897-8; asst. hort., Ohio Exp. Sta., 1910-4; co. agrl. agt., Ohio, 1914-7. Pres. O. State Hort. Soc., 1913-6; sec. Gallia Co. Farm Bur.—*b.* Gallia Co., O., June 19, 1873; *s.* Jacob and Elizabeth (Guthrie) R.; reared on farm; *m.* Alice Stoner, June 15, 1897; 2d, Naomi Haber, Nov. 14, 1917; *c.* Lowell E. B.Sc., Ohio State Univ., 1895; M.Sc., 1897. Kappa Sigma.

Riggs, Walter Merritt, pres. Clemson Agr. Coll., Clemson College, S. C.

Instr. English, Ala. Poly. Inst., 1894-5; instr. physics, 1895-6; instr. electrical and mech. engin., Clemson Agr. Coll., 1896-1901; prof. electrical engin. and dir. engin. dept., 1901-11; acting pres., 1910-1; pres., and consulting prof. engin., 1911–. Fellow Amer. Inst. Electrical Engin. Mem. S.C. Public Service Comn.; chm. S. C. com. of Naval Consulting Bd., 1916–; mem. S. C. State Council Nat. Defense, 1917–. Pres. Land Grant Coll. Engin. Assoc., 1917–; vice-pres. and mem. exec. com., Amer. Assoc. Agrl. Colls. and Exp. Stas., 1917–; pres. Southern Intercollegiate Athletic Assoc., 1913-5; pres. S. C. Intercollegiate Athletic Assoc., 1900–.—*b.* Orangeburg, S. C., Jan. 24, 1873; *s.* Harpin and Emma Julia (Gowan) R.; reared in small town; *m.* Marie Louise Moore, Dec. 22, 1897. B.S., Ala. Poly. Inst., 1893; E. and M.E., 1894; LL.D., S. C. Univ., 1911. Phi Delta Theta.

Riley, Howard Wait, prof. rural engin., Cornell Univ., Ithaca, N. Y.

Draftsman, United Telpherage Co., N. Y. City, 1901; engin., Morse Chain Co., Ithaca, N. Y., 1904; instr. expl. engin., Cornell Univ., 1906; instr. farm mech., 1907; asst. prof., 1909; prof. rural engin., 1912–. Pres. Amer. Soc. Agrl. Engin. Farm operator. (Rural sanitation and domestic equipment).—*b.* Orange, N. J., May 2, 1879; *s.* Wm H. and Louisa Wait (Lord) R.; reared on farm; *m.* Julia Whiton Mack, June 5, 1906; *c.* Manton Lord. E.E. in M.E., Cornell Univ., 1901.

Riley, William Albert, prof. ent. and chief div. ent. and econ. zool., Univ. Minn., St. Paul, Minn.

Asst. zool., DePauw Univ., 1896-8; fellow in ent., Cornell Univ., 1898-9; asst. ent. and invertebrate zool., 1899-1901; instr. ent., 1901-6; asst. prof., 1906-12; prof., 1912-8; present position, 1918–. Fellow A.A.A.S.; fellow Ent. Soc. Amer. *Auth.*: (with Johannsen) Handbook of Medical Entomology. Mem. editorial bd., The Journal of Parasitology, Abstracts of Bacteriology, Journal Agrl. Research. (Insect morphology and parasitology).—*b.* Mankato, Minn., Jan. 10, 1876; *s.* Albert Thos. and Otillie P. (Maag) R.; reared in town; *m.* Mae E. Fullhart, June 8, 1904; *c.* Alice Lois. B.S., DePauw Univ., 1897; Ph.D., Cornell Univ., 1903. Phi Beta Kappa; Sigma Xi; Delta Upsilon; Gamma Alpha; Gamma Sigma Delta.

Rinkle, Lorin George, dairy and food comnr., Kansas City, Mo.

Asst. dairying, Univ. Mo., 1907-9; instr., 1909-11; asst. prof., 1912-8; present position, 1918–.—*b.* Dimondale, Mich., May 4, 1886; *s.* Geo. W. and Anna S. (Matthews) R.; reared on farm; *m.* Will C. Davis. B.S.A., Mich. Agr. Coll., 1907; M.S.A., Univ. Mo., 1910. Delta Sigma Gamma.

Rist, L. Boyd, co. agrl. agt., Beatrice, Neb.

Instr. an. husb., Univ. Neb., 1914-6; agrl. agt., Gage Co., Neb., 1916–.—*b.* Humbolt, Neb., Nov. 10, 1891; *s.* Sam and Mary (Friedley) R.; reared on farm. B.S.A., Univ. Neb., 1916. Alpha Zeta.

Ritchey, George Edgar, agron., Nanking Univ., Nanking, China.

Instr. agr., Cornell Coll., Mt. Vernon, Ia., 1917-9; present position, 1919–.—*b.* Rising City, Neb., Aug. 2, 1888; *s.* Daniel E. and Elizabeth E. (Treadway) R.; reared on farm; *m.* Caroline E. Vermillion, Nov. 15, 1917. B.S.A., Ia. State Coll., 1917.

Ritzman, Ernest George, an. husb., N. H. Exp. Sta., Durham, N. H.

Asst. an. husb., U. S. Bur. An. Ind., 1903-8; an. husb., Porto Rico Agr. Exp. Sta., 1908-15; present position, 1915–. Sec.-treas. N. H. Sheep Breeders Assoc. Del. by U. S. Dept. Agr. to escort party of Russians and Germans on agrl. tour throughout U. S., 1906. Served in

Spanish-Amer. War.—*b*. Switzerland, May 20, 1875 (naturalized 1886); *s*. John Geo. and Maria Ursula (Gisel) R.; reared on farm; *m*. Lois Alexander, Nov. 1909; *c*. Thos. Alexander, Barbara Bicknell. B.S.A., Ia. State Coll.

Roadhouse, Chester Linwood, prof. dairy ind., Univ. Calif., Davis, Calif.
Vet. insp., Bur. An. Ind., U. S. Dept. Agr., 1906-8; chief dairy insp., Dept. Health, San Francisco, 1909; city vet., Dept. Public Health, Berkeley, Calif., 1910; lect. dairy bact., Univ. Calif., short-course, 1910; instr. vet. sci., 1911-3; asst. prof., 1913-4; assoc. prof., 1914-7; prof. dairy ind., 1917–. Sec. and pres. Calif. State Vet. Med. Assoc., 1915-6; vice-pres. Intern. Assoc. of Dairy and Milk Insps., 1917-8; pres. Calif. Creamery Operators Assoc., 1919; pres. Western Dairy Instrs. Assoc., 1920. Farm operator, 1907–. Mem. editorial com. for correspondence courses in agr., 1914-6.—*b*.Watsonville, Calif., Jan. 5, 1881; *s*. John J. and Imogene (Kimberlin) R.; reared on farm and in town; *m*. Christine Judah, Dec. 2, 1910; *c*. Katherine, Francis. D.V.M., Cornell Univ., 1906. Theta Delta Chi.

Robb, Byron Burnett, prof. rural engin., Cornell Univ., Ithaca, N. Y.
Teach. distr. sch., 1905-7; asst. in farm mech., Cornell Univ., 1910-1; instr., 1911-3; asst. prof., 1913-9; prof. rural engin., 1919–. (Drainage).—*b*. Webster, N. Y., Aug. 8, 1882; *s*. C. F. and Frances (Burnett) R.; reared on farm; *m*. Georgia Frances Bills, Aug. 7, 1912; *c*. Frances, Julia Ann. B.S., Cornell Univ., 1911; M.S.A., 1913.

Robb, Newell Snowden, co. agrl. agt., Eugene, Ore.
Stock farmer, 1911-3; head dept. farm crops, Univ. Ida., 1914-6; agrl. agt., Lane Co., Ore., 1916–.—*b*. Neal, Kans., Nov. 8, 1888; *s*. Wm. E. and L. (Snowden) R.; reared on farm; *m*. Agnes M. Bardson; *c*. Eleanore Clarice. B.S.A., Kans. State Agr. Coll., 1911. Sigma Nu; Alpha Zeta.

Robbins, Wilfred William, bot., Agr. Exp. Sta., Great Western Sugar Co., Longmont, Colo.
Instr. high-sch., Golden, Colo., 1906-7; instr. physics, Central High-Sch., Pueblo, Colo., 1907-8; instr., biol., Univ. Colo., 1908-11; instr. biol., Summer Lab. for field biol., Tolland, 1909, 1910, 1913; instr. bot., Colo. Agr. Coll., 1911-3; asst. prof., 1913-5; prof. and bot. Exp. Sta., 1915-9; present position, 1919–. Biol. trips in Mohave Desert and N. Mex. *Auth.*: Botany of Crop Plants, 1917.—*b*. Mendon, O., May 11, 1884; *s*. Isham B. and Jennie (Hussey) R.; reared on farm and in city; *m*. Louise Falk, June 15, 1911; *c*. Wilfred T., Hertha Marie. A.B., Univ. Colo., 1907; A.M., 1909; Ph.D., Univ. Chicago, 1917. Sigma Xi; Alpha Zeta; Sigma Phi Epsilon.

Roberds, Elzie Sherfield, co., agrl. agt., Ripley, Tenn.
Asst. agrst., Progressive Farmer.—*b*. Quincy, Miss., Feb. 13, 1893; *s*. Wm. E. and Sallie E. R.; reared on farm. B.S., Miss. A.&M. Coll., 1913.

Roberts, Albert E., intern. sec., Y. M. C. A., 347 Madison Ave., New York City.
Mem. Country Church Comn., Fed. Council of Churches of Christ in Amer.; mem. Sunday School Comn.; mem. Amer. Comn. for study of agrl. coop. in Europe. Y. M. C. A. work with A. E. F. —*b*. Manchester, N. H., Mar. 4, 1873; *s*. Edward and Myra (Webster) R.; reared on farm and in city; *m*. Mabel Ruth Brow, June 6, 1900; 2d, Lillas G. Neil, Jan. 1, 1914; *c*. Mabel Ruth.

Roberts, Asbury, co. agrl. agt., Marshall, Mo.
Served in U. S. Army on Mexican Border; Capt. Infantry, 1917-9; wounded in battle of Argonne.—*b*. Centralia, Mo., Feb. 15, 1891; *s*. W. F. Jr. and Mamie (Turner) R.; reared on farm and in town; *m*. Era Lightner, Aug. 30, 1919. B.S.A., Univ. Mo., 1917. Acacia.

Roberts, George, asst. dean Coll. Agr., prof., agron. and head dept. agron., Exp. Sta., Univ. Ky., Lexington, Ky.
Princ. Ky. Wesleyan Acad., Burnside, 1899-1900; asst. chem., Ky. Exp. Sta., 1901-3; asst. chem., Calif. Exp. Sta., 1903-6; asst. chem., Ky. Exp. Sta., 1906-9; agron. and prof. agron., Univ. Ky., 1909–; acting dean, Coll. Agr., 1916-7; asst. dean, 1919–. Treas. and mem. exec. com., Amer. Soc. Agron., 1912-7. (Soil fert.).—*b*. Burnside, Ky., June 16, 1873; *s*. Missouri and Lucy

Helen (Meece) R.; reared on farm; *m.* Rhoda Gibson Elliott, Sept. 6, 1899; *c.* Helen Porter, Katherine, Joseph Kastle, Geo. Jr. B.Ped., Univ. Ky., 1899; M.S., 1901. Alpha Zeta.

Roberts, Isaac Phillips, agrst., Palo Alto, Calif.

Prof. agr., Ia. State Coll., 1870-4; prof. agr., Cornell Univ., 1874-1903; dean Coll. Agr., 1878-1903; dir. Exp. Sta., 1888-1903; prof. emeritus, 1903–. *Auth.*: The Fertility of the Land, 1898; The Farmstead, 1900; The Farmers' Business Handbook, 1903; The Horse, 1905; Autobiography of a Farm Boy, 1916.—*b.* E. Varick, N. Y., July 24, 1833; *s.* Aaron P. and Elizabeth (Burroughs) R.; reared on farm; *m.* Margaret Marr, Nov. 3, 1857; *c.* Mary E. (Mrs. Dane Coolidge), Perry B., Roger M. M.A., Ia. State Coll., 1875. Alpha Zeta.

Roberts, John William, path. fruit disease invests., Bur. Plant Ind., U.S. Dept. Agr., Washington, D. C.

Teach. Latin and German, high-sch., Falls City, Neb., 1905-6; asst. bot., Univ. Neb., 1908; sci. asst., U. S. Dept. Agr., 1909-11; asst. path., 1912-3; path., 1913–.—*b.* Alma, Neb., July 4, 1882; *s.* S. L. and A. M. (McGlathery) R.; reared in town; *m.* Ethel J. Hutchins, Dec. 10, 1911. A.B., Univ. Neb., 1904; A.M., 1909; Ph.D., Geo. Washington Univ., 1917. Sigma Xi; Alpha Theta Chi.

Roberts, William, co. agrl. agt., Lenoir, N. C.

Farm manag., Shelby Co., Ill., 3 yrs. —*b.* Barry Co., Mo., Nov. 21, 1891; *s.* Robt. and Lieu Bell (Jackson) R.; reared on farm. Grad. Berea Coll., Ky., 1918.

Robertson, Frederick Eugene, asst. co. agt. leader, Cornell Univ., Ithaca, N. Y.

Farm manag., U. S. Dept. Agr., 1898-1903; agt. Jefferson Co., N. Y., 1912-7; present position, 1917–.—*b.* Cambridge, N. Y., Feb. 18, 1878; *s.* Russel K. and Margaret (Shanahan) R.; reared on farm; *m.* Georgiana E. Thomas, Aug. 13, 1910; *c.* Benj. Russel, Wm. Hawley. B.S.A., Cornell, Univ., 1909.

Robertson, Ida, home dem. agt., Meridian, Miss.

Teach. home sci. in agr., high-sch., Miss., 1913-5; home dem. agt., Marshall Co., Ala., 1916-8; Lauderdale Co., Miss., 1919–.—*b.* Goss, Miss., 1885; *d.* Sam and Mary (Newsom) R.; reared on farm. B.S., Miss. A.&M. Coll., 1911.

Robertson, John Gordon, live-stock comnr., Dept. Agr., Regina, Sask.

Live-stock manag., Detchon Farms, Davidson, Sask., 1912-4; gen. manag., 1914-6; present position, 1919–. Sec. Sask. Live Stock Bd., Sask. Stallion Bd.; sec. Sask. Horse, Cattle, Sheep and Swine Breeders Assocs. Lieut Canadian Army, 1916-9; wounded on Vimy Ridge, 1917.—*b.* Churchville, N.S. Sept. 1, 1890; *s.* Robt. S. and Jessie (McHardy) R.; reared on farm; *m.* Lydia Paulson, June 12, 1916; *c.* Robt. Gordon. B.S.A., McGill Univ., 1912.

Robertson, Z. Douglas, co. agrl. agt., Allendale, S. C.

Teach. agr., public schs., S. C., 1911-7.—*b.* Heath Spring, S. C., May 19, 1888; *s.* Z. L. and Lou (Rolling) R.; reared on farm. A.B., Eastern Coll., 1911.

Robinson, Charles Summers, research chem., Mich. Exp. Sta., E. Lansing, Mich.

Dairy farmer, 8 yrs. Served as Capt. Sanitary Corps, U. S. Army.—*b.* Chicago, Ill., Apr. 17, 1885; *s.* Joseph and Harriet (Smith) R.; reared in city; *m.* Florence Sherwood, Sept. 21, 1912; *c.* Jane, Joseph, Margarete. A.B., Univ. Mich., 1907; M.S., 1909; Ph.D., 1917. Sigma Xi; Alpha Chi Sigma; Phi Lambda Upsilon.

Robinson, Earl Paul, state leader co. agts., N. H. Coll., Durham, N. H.

Instr. agr., Northwood Acad., N. H., 1907-8; farmer, 1908-12; agrst., Holland-St. Louis Sugar Co., Decatur, Ind., 1912; co. agt., Saginaw, Mich., 1913-7; asst. state leader co. agts., Mich. Agr. Coll., 1917-9; present position, 1919–. (Agrl. journalism, rural organization). —*b.* Markesan, Wis., Oct. 9, 1882; *s.* Edwin W. and Jane A. (Hare) R.; reared on farm; *m.* Sibyl Fritz, Sept. 18, 1907; *c.* Francis Edwin. B.S., Mich. Agr. Coll., 1907.

Robinson, James L., co. agrl. agt., Bolivar, Tenn.

b. Franklin, N. C., Dec. 4, 1889; *s.* Jesse S. and Ittie (Norton) R.; reared on farm. B.S.A., Univ. Tenn., 1915. Alpha Zeta.

Robinson, Karl, supt. dept. voc. agr., Montverde Ind. Sch., Montverde, Fla.

b. Ft. Payne, Ala., Jan. 3, 1894; *s.* F. O. and Huldah (Southund) R.; reared on farm; *m.* Rilla Anderson, May 12, 1918.

Robinson, Lawrence Eugene, asst. prof. rural arch., Ore. Agr. Coll., Corvallis, Ore.

Present position, 1914–. Traveled in Europe, 1910. *Auth.*: Domestic Architecture, 1917.—*b.* Eureka, Ill., Sept. 17, 1880; *s.* Jas. Edwin and Elizabeth Bell (Vance) R.; reared in town and on farm; *m.* Erma Seaton, Apr. 29, 1914; *c.* Phoebe Vance. B.S., Univ. Penn., 1906. Phi Gamma Delta.

Robinson, Leonard G., pres. Cosmopolitan Bank of New York, lawyer, agrl. econ., Prospect and Westchester Aves., New York, N. Y.

General manag. Jewish Agrl. and Ind. Aid Soc., 1905-17; pres. Fed. Land Bank of Springfield, Mass., 1917-9; present position, 1919–. Established over 3,000 immigrant families as farm owners through the U. S. and Canada. Founder of pioneer coop. agrl. credit unions in Amer.; consulting expert of Joint Congressional Com. on Rural Credits (63rd and 64th Congress) which framed the Fed. Farm Loan Act enacted in 1916. *Auth.*: The Agricultural Activities of the Jews in America, 1912; co-author, Credit Union Primer, 1914.—*b.* Russia, Mar. 11, 1875 (naturalized 1897); *s.* Bernhard and Leah (Schatzkin) R.; *m.* Betty F. Levey, Jan. 10, 1911; *c.* Leonard G. Jr. A.B., Harvard Univ., 1902; L.L.B., N. Y. Law Sch. and admitted to N. Y. Bar, 1906.

Robinson, Lewis Byron, co. agrl. agt., Milford, N. H.

Co. organizer, N. H. Food Comn., summer 1917; asst. emergency dem. agt., Hillsborough Co., 1917-9; co. club leader, Aug.-Oct., 1919; co. agrl. agt., 1919–. Sec.-treas. Souhegan Valley Nat. Farm Loan Assoc. of Milford, 1918-20.—*b.* Pembroke, N. H., Aug. 26, 1893; *s.* John Howard and Lura Belle (Byron) R.; reared on farm. B.S., N. H. Coll., 1916. Alpha Tau Omega; Alpha Zeta.

Robinson, Margaret Louise, home dem. agt., Waltham, Mass.

Instr. dom. arts, Proctor Acad., Andover, N. H., 1913-5; head household arts dept., high-sch., Winchester, Mass., 1915-7; superv. home econ., Meriden, Conn., 1917-8; home dem. agt. Hartford Co., Conn., 1918-9; Middlesex Co., Mass., 1919–.—*b.* Pueblo, Colo., Mar. 29, 1891; *d.* John H. and Isabella (Brown) R.; reared in town and on farm. B.S., Cornell Univ., 1913.

Robinson, Montgomery, asst. prof. ext. serv., Cornell Univ., Ithaca, N. Y.

Tutor Latin, Princeton Univ., 1903-6; instr. ext. teaching, Cornell Univ., 1914-6; asst. prof., 1916–. Rancher, Nev. and Ida., 2 yrs.—*b.* Brooklyn, N. Y., Apr. 30, 1884; *s.* Franklin E. and Lillie (Ludlam) R.; reared in town; *m.* Anne C. Carpenter, 1910; *c.* Janet Ewing, Jas. Ludlam. B.Litt., Princeton Univ., 1906; B.S., Cornell Univ., 1914.

Robinson, Ralph Rollin, co. agrl. agt., Silver City, N. Mex.

Asst. farm manag. dem., Colo. Agr. Coll., 1916; agrl. agt. Chaves Co., N. Mex. 1917-8; Grant Co., 1918-9. In U. S. Army, 1918-9.—*b.* Aspen, Colo., June 9, 1889; *s.* A. J. and Helen A. R.; reared on farm; *m.* Helen Humphrey, Sept. 25, 1918. B.S., Colo. Agr. Coll., 1917. Sigma Alpha Epsilon.

Robinson, William Orrin, sci. in soil lab. invests., Bur. Soils, U. S. Dept. Agr., Washington, D. C.

Instr. chem., N. H. Coll., 1905-6; present position, 1906–. Capt. C. W. S., U. S. Army, 1917-8; Major Q. M. R. C., 1919. (Soil chem.).—*b.* Marlboro, N. H., Oct. 2, 1884; *s.* Geo. Alfred and Anna Elizabeth (Proctor) R.; reared on farm; *m.* Mary Collins Sherman, June 17, 1917; *c.* Mary Sherman. B.S., N. H. Coll., 1905; M.S., 1906. Zeta Epsilon Zeta.

Robison, Martha Elisabeth, specialist in rural church work, Bloomsburg, Pa.

Teach. rural public schs., 9 yrs.; field sec., Columbia Co. Sabbath Sch. Assoc.,

2 yrs.; gen. field worker, Pa. State Sabbath Sch. Assoc., 6 yrs.; supt. rural dept., 6 yrs.; mem. Pa. State Rural Survey Comn.; mem. bd. dirs. Penn. State Coll. Country Church Conference; mem. com. moral and religious educ., Nat. Country Life Assoc. *Auth.*: Junior Quarterly for Amer. Sunday School Union.—*b.* Bloomsburg, Pa., Nov. 17, 1874; *d.* Jas. Boyd and Jennie (Breece) R.; reared in country. B. E. Di., M. El. Di., B.Ped., Bloomsburg State Normal Sch.

Rockwell, Frederick Frye, consulting agrst., manag. Burpee's, Doylestown, Pa.

Circulation manag., Garden Magazine, 1906-7; manag. Wilshire Book Co., 1907-8; with New York Call, 1908-9; contributing ed., House and Garden, The Garden Magazine. Engaged in farming and greenhouse business. *Auth.*: Home Vegetable Gardening, 1911; Gardening Indoors and Under Glass, 1912; Making a Fruit Garden, 1914; The Pocket Garden Guide, 1914; The Key to the Land, 1915; Around the Year in the Garden, 1916; The Little Pruning Book; Save it for Winter, 1918.—*b.* Brooklyn, N. Y., Apr. 2, 1884; *s.* Frank Warren and Elizabeth (Trowbridge) E.; reared on farm; *m.* Marjorie Hughan, Sept. 5, 1910; *c.* Wallace Hughan, Frederick Frye, Donald West. Student Wesleyan Univ., Conn., 1905-6.

Rockwood, Lawrence Peck, sci. asst., Bur. Ent., U. S. Dept. Agr., Forest Grove, Ore.

b. Waterbury, Conn., Oct. 13, 1886; *s.* Chas. Henry and Abba (Peck) R.; reared in city; *m.* Ethel Maude English, Dec. 9, 1916; *c.* Mary. B.S., Mass. Agr. Coll., 1912. Phi Kappa Phi.

Rodegeb, Eli Leroy, co. agrl. agt., Willmar, Minn.

Teach. agr. and sci., high-sch., Saline, Mich., 1 yr.; teach agr., high-sch., Red Creek, N. Y., 4 yrs.; Willmar, Minn., 3 yrs.—*b.* Whittemore, Mich., Jan. 21, 1887; *s.* Henry and Artie (Brown) R.; reared on farm; *m.* Mabel C. Wermuth; *c.* Mildred Lucil, Luella Grace. B.S., Mich. Agr. Coll., 1910.

Roe, Harry Burgess, assoc. prof. agrl. engin., Univ. Minn., University Farm, St. Paul, Minn.

From rodman to asst. engin., Great Northern R. R., 1899-1905; asst. divisional engin., G. T. P. R. R., Man., 1905-7; special lect. on drainage, Univ. Minn., 1908; instr. math., 1908-9; instr. and asst. agrl. engin., 1909-12; asst. prof., 1912-9; assoc. prof., 1919–. Del. to Nat. Drainage Congress, Chicago, 1918. (Drainage of farm lands).—*b.* Afton, Minn., June 1, 1876; *s.* Alva Dunning and Sarah (Burgess) R.; reared on farm; *m.* Isabel Davis Parker, July 12, 1904; *c.* Chas. Parker, John Huntington, Marion Burgess, Dorothy Dunning. B.S. in E., Univ. Minn., 1908. Phi Beta Kappa.

Roe, William Isaac, co. agrl. agt., Watertown, N. Y.

b. Oxford Depot, N. Y., Nov. 4, 1890; *s.* Thos. Beach and Elizabeth P. R.; reared on farm. Cornell Univ., 1917.

Roeding, George Christian, nurseryman and fruit-grower, Fresno, Calif.

Sent to Europe and Asia Minor as comnr. from U. S. Dept. Agr., 1901; in 1912 as rep. Panama-Pacific Intern. Expos. Pres. Calif. State Bd. Agr. *Auth.*: Monograph on the Smyrna Fig at Home and Abroad, 1901.—*b.* San Francisco, Calif., Feb. 4, 1868; *s.* Frederic and Marianne R.; reared in city; *m.* Elizabeth Thorne, Dec. 15, 1897; *c.* Marianne E., Geo. C. Jr., Eleanor Louise, Evelyn T.

Rogan, William James, co. agrl. agt., Mauston, Wis.

Princ. schs., Eagle, Wis., 1910-1; teach. agr. and princ., 1913-5; princ. schs., 1916-8.—*b.* Crystal Falls, Mich., Sept. 27, 1887; *s.* Jas. and Caroline (Winzenberg) R.; reared on farm and in city; *m.* Lucy E. Davies, Feb. 14, 1914; *c.* Wm. Davis, Jas. Watkyns, John Francis, Paul Joseph. Student Univ. Wis.

Rogers, Augustus James Jr., fruit-grower, Beulah, Mich.

Instr. hort., Univ. Wis., 1907-11; fruit-grower, 1911–. Dir. Mich. State Hort. Soc.; mem. exec. com., Mich. State Farm Bur.; pres. Benzie Co. Farm Bur.—*b.* Milwaukee, Wis., May 25, 1885; *s.* Augustus Jas. and Charlotte Althea (Tooker) R.; reared in city; *m.* Agnes Challoner, May 14, 1912; *c.*

Curtis Challoner, Addie Jane, Dorothy. B.S.A., Univ. Wis., 1907; M.S., 1909. Sigma Nu; Alpha Zeta.

Rogers, Francis Elton, co. agrl. agt., Sodus, N. Y.
Instr. ext. in pom., Cornell Univ., 1915; agt. New Haven Co., Conn., 1915-7; agt. Wayne Co., N. Y., 1917–.—*b.* Canandaigua, N. Y., Sept 1, 1887; *s.* Chauncy E. and Mary E. (Outhouse) R.: reared on farm; *m.* Mabel Luella Flumerfelt, Aug. 11, 1916; *c.* Helen Jane, Paul Elton. B.S., Cornell Univ., 1914; M.S., 1915. Alpha Zeta.

Rogers, Frazier, asst. prof. agrl. engin., Univ. Fla., Gainesville, Fla.
With U. S. Bur. Plant Ind. and Fla. State Plant Bd., 1916-7; co. agrl. agt., 1917-8; present position, 1918–.—*b.* Ora, Miss., Feb. 7, 1893; *s.* Joel and Mary (Duckworth) R.; reared on farm; *m.* Gladys A. Tanner, May 26, 1917; *c.* Frazier Vernon, Mildred Mary. B.S.A., Miss. A.&M. Coll.

Rogers, Hawley Bunce, co. agrl. agt., Jamestown, N. Y.
b. East Orange, N. J., Oct. 9, 1886; *s.* Buel L. and Frances A. (Rogers) R.; reared in village and on farm; *m.* Hazel J. Haight, July 26, 1919. B.S., Cornell Univ., 1912.

Rogers, Lore Alford, in chg. labs., Dairy Div., U. S. Dept. Agr., Washington, D. C.
Assoc. ed., Journal of Bacteriology; Bacteriological Abstracts; Journal of Dairy Science.—*b.* Patten, Me., Feb. 7, 1875; *s.* Luther B. and Mary E. (Barker) R.; reared on farm; *m.* Beatrice C. Oberly, Oct. 5, 1908; *c.* John O. B.S., Univ. Me., 1896. Kappa Sigma.

Rogers, Marian Harriet, home dem. agt., Dearborn, Mich.
b. Millington, Mich., July 25, 1893; *d.* Geo. E. and Harriet (Burgess) R.; reared in town. B.S., Univ. Mo., 1917. Phi Lambda Theta.

Rogers, Walter, co. agrl. agt., Bloomington, Ind.
b. Nashville, Ind., Dec. 9, 1878; *s.* Wm. H. and Nancy J. (Welsh) R.; reared on farm; *m.* Cora J. Clark, Sept. 8, 1901; *c.* Wayne Lelia, Fern, Maurice, Ralph, Ellis.

Rohr, Harley Downton, instr. voc. agr., high-sch., Grafton, W. Va.
Asst. princ. Hillsboro high-sch., 1911-2; princ., 1912-4; co. agrl. agt., Grafton, to 1919.—*b.* Alum Ridge, W. Va., Aug. 10, 1886; *s.* J. B. and Lydia A. (Hannah) R.; reared on farm; *m.* Nelle M. Bailey, May 5, 1918. B .S. Agr., W. Va. Univ., 1917.

Rohwer, Sievert Allen, specialist in for: Hymenoptera, U. S. Bur. Ent., and custodian of Hymenoptera, U. S. Nat. Museum, Washington, D. C.
b. Telluride, Colo., Dec. 22, 1887; *s.* Geo. and Lucy (Billingsley) R.; reared in town; *m.* Portia Brown, Feb. 23, 1910; *c.* Karl Sievert, Donald Due, Geo. Gregor, Rolf Douglas, Portia. Student Univ. Colo., 1907-9.

Roland, Raymond Michael, asst. co. agt. leader, Univ. Mo., Columbia, Mo.
Co. agrl. agt., Paoli, Ind., 1915-8; present position, 1918–.—*b.* Morris, Pa., Nov. 7, 1887; *s.* Geo. W. and Mary E. (Campbell) R.; reared on farm; *m.* Jessie Maud Boston, Apr. 11, 1918; *c.* Raymond M. Jr. B.S., Mich. Agr. Coll., 1915.

Rolf, Arthur Francis, ed. and farmer, R.F.D., Metairie, New Orleans, La.
Asst. poultry, Conn. Agr. Coll., 1908-9; instr. poultry, Hillside Sch., Mass., 1909; instr., Conn. Agr. Coll., 1910-2; prof., Miss. A.&M. Coll., 1912; chief poultry, Ga. Exp. Sta., 1912; prof. poultry and acting head an. husb., Okla. A.&M. Coll., 1913-4; poultry ext., La. State Univ., 1914-9; supt. live-stock ext., 1916-9; ed. Modern Farming, 1920–. Pres. La. Poultry Breeders Assoc.; dir. Amer. Squab Breeders Assoc.; gov. Intern. White Leghorn Club.—*b.* Weymouth, Mass., Dec. 3, 1889; reared on farm; *m.* Gladys Weed Calvin, Dec. 4, 1912; *c.* Elizabeth Calvin, Dorothy Frances. Student Conn. Agr. Coll.

Rolfs, Peter Henry, dean Coll. Agr., Univ. Fla., Gainesville, Fla.
Asst. bot., Ia. State Coll., 1891; ent. and bot., Fla. Exp. Sta., 1891-8; bot. and hort., 1898-9; prof. bot., Fla. Agr. Coll., 1892-9; bot. and bact., Clemson Agr. Coll., 1899-1901; plant path. in chg. Subtropical Lab., Miami, Fla., 1901-6; dir. Fla. Exp. Sta., 1906–; dir.

ext. div., 1914–; dean Coll. Agr., 1915–; supt. farmers insts., 1907–19. Mem. adv. com., Fla. State Plant Bd., 1915; chm. State Council Defense, 1917-8. Fellow A.A.A.S. Pres. Fla. State Hort. Soc., 1906-7; mem. exec. com., 1906–. *Auth.*: Vegetable Growing in the South for Northern Markets, 1896; Subtropical Vegetable Gardening, 1916. (Citrus and tropical fruits, truck crops).—*b.* LeClaire, Ia., Apr. 17, 1865; *s.* Maas Peter and Maria Christina (Niemeier) R.; reared on farm; *m.* Effie Stone, Aug. 25, 1892; *c.* Effie, Clarissa. B.S., Ia. State Coll., 1889; M.S., 1891. Phi Kappa Phi.

Romine, James Earl, co. agrl. agt., Buckhannon, W. Va.

Teach. rural schs., 2 yrs;. co. agt. Upshur Co., W. Va., 1916–.—*b.* W. Milford, W. Va., July 5, 1889; *s.* Jacob and Olivia R.; reared on farm; *m.* Hazel Sheets, Sept. 14, 1912. B.S.A., W. Va. Univ., 1916.

Rommel, George McCullough, chief an. husb. div., Bur. An. Ind., U. S. Dept. Agr., Washington, D. C.

Asst. an. husb., Ia. State Coll., 1899-1901; manag. O. R. & N. Exp. Farm, Walla Walla, Wash., 1901; chg. an. husb. work, Bur. An. Ind., 1901–. Sec. Amer. Genetic Assoc.; Fellow A. A. A. S. Del. 1st Pan Amer. Sci. Congress, Santiago, Chile, 1908, 1909; mem. exec. com. 2d Congress, Washington, 1914, 1915. Mem. U. S. Agrl. Comn. to Europe, 1918. *Auth.*: The Hog Industry, 1903. —*b.* Mt. Pleasant, Ia., Feb. 26, 1876; *s.* A. and Rachel P. (McCullough) R.; reared in town; *m.* Sallie Russell Reeves, Sept. 19, 1906; *c.* Anna Margaret, Sarah Elizabeth, Alexander Ross. B.S., Ia. Wesleyan Coll., 1897; B.S.A., Ia. State Coll., 1899. Phi Delta Theta.

Roosevelt, Georgia Cullum, state clothing specialist, Mont State Coll., Bozeman, Mont.

b. Marysville, Mont., Dec. 9, 1892; *d.* Geo. Cullum and Lena (Jobe) R.; reared in town; *m.* Geo. A. Roosevelt, Sept. 1, 1915. B.S., Mont. State Coll., 1914.

Root, Ernest Rob, beekeeper and ed., Medina, O.

Vice-pres. A. I. Root Co., publishers. *Ed.*, Gleanings in Bee Culture, 1885–. *Auth.*: ABC and XYZ of Bee Culture, 1915; Feeding and Feeders, 1905; Facts About Bees, 1906; The Buckeye Bee Hive, 1909; Bee Diseases, 1918; Wintering of Bees, 1913; The Bee Keeper and the Fruit Grower, 1918. Lect., Ohio State Univ. Vice-pres. O. Comn. of Jamestown Expos, 1903-5.—*b.* Medina, O., June 23, 1862; *s.* Amos Ives and Susan (Hall) R.; reared in town; *m.* Elizabeth Humphrey, Dec. 15, 1885; *c.* L. Ives, A. I. Studied Oberlin Coll.

Root, Ralph Rodney, lands. arch., Chicago, Ill.

In chg. professional course lands. gard., Univ. Ill., 1912-8; exchange prof., Mass. Agr. Coll., 1915; chg. summer sch. lands. arch., Lake Forest Coll., 1916–; asst. to dir. of Finance, U. S. Army, Washington, Oct. 1918-Feb. 1919; Capt. Q. M. R. C., U. S. Army. Traveled in Europe, 1912, England 1914. *Auth.*: (with Kelley) Design in Landscape Gardening, 1914.—*b.* Jamestown, N. Y., Mar. 15, 1884; *s.* Frank Henry and Josephine (Wilcox) R.; reared on farm. B.S., Cornell Univ., 1910; M.L.A., Harvard Univ., 1912.

Rosa, (Mrs.) Bessie Naylor, asst. prof. home econ., Univ. Mo., Columbia, Mo.

Teach. home econ., high-sch., 1914-6; normal sch., 1917-8; present position, 1918–.—*b.* Shelby Co., Mo., Aug. 28, 1890; *d.* John Paul and Elizabeth (Blanset) Naylor; reared on farm. B.S., Univ. Mo., 1914; M.A., 1917. Pi Lambda Theta.

Rosa, Joseph Tooker Jr., asst. prof. hort., Univ. Mo., Columbia, Mo.

Instr. hort., Ia. State Coll., 1915-6; asst. hort., Va. Truck Exp. Sta., Norfolk, 1916-7; instr. hort., Univ. Mo., 1917-9; asst. prof., 1920–. (Olericulture). —*b.* Waverly Mills, S. C., July 16, 1895; *s.* J. T. and Grace (Hurcomb) R.; reared on farm. B.S., Clemson Agr. Coll., 1915; M.S. in Hort., Ia. State Coll., 1917. Acacia; Gamma Alpha.

Rose, Charles Lovell, co. agrl. agt., Evart, Mich.

Investigated live-stock, England and Channel Isls., 1911.—*b.* Evart, Mich., June 18, 1887; *s.* Chas. H. and Emma (Lancashire) R.; reared in town. B.S., Mich. Agr. Coll., 1911.

Rose, Flora, prof. home econ., Cornell Univ., Ithaca, N. Y.

Asst. prof., Kans. State Agr. Coll., 1905-6; asst. prof., Cornell Univ., 1907-13; prof., 1913–. Traveled in Europe and Mexico. *Auth.*: (with Van Rensselaer and Canon) Manual of Home-Making, 1918.—*b.* Denver, Colo., Oct. 15, 1874; *d.* Samuel Patrick and Mildred Lewis (Boyd) R.; reared in city. B.S., Kans. State Agr. Coll., 1904; M.A., Columbia Univ., 1909.

Rose, Mary Swartz, assoc. prof. nutr., Teachers Coll., Columbia Univ., New York City.

Teach. high-sch., Wooster, O., 1899-1901; Fond Du Lac, Wis., 1902-5; asst., Teachers Coll., 1906-7; traveling fellow, 1907-9; instr., 1909-10; asst. prof., 1910-8; assoc. prof., 1918–. Deputy dir. Bur. Conservation of Fed. Food Bd. and N. Y. State Food Comn., New York City. Fellow A.A.A.S. *Auth.*: Laboratory Handbook for Dietetics, 1912; Feeding the Family, 1916; Everyday Foods in Wartime, 1918.—*b.* Newark, O., Oct. 31, 1874; *d.* Hiram B. and Martha (Davies) Swartz; reared in small town; *m.* Anton Richard Rose, Sept. 15, 1910; *c.* Richard Collin. B.Lit., Denison Univ., 1901; grad Mechanics Inst., 1902; B.S., Columbia Univ., 1906; Ph.D., Yale Univ., 1909. Sigma Xi.

Rosen, Harry Robert, asst. prof. plant path. and asst. plant path. Exp. Sta., Univ. Ark., Fayetteville, Ark.

Asst. bot., Univ. Wis., 1913-5; sci. asst., Smithsonian Inst., 1915-7; asst. in rust invests., Purdue Univ. Exp. Sta., 1917-8; present position, 1918–. Mem. Council of Amer. Phytopath. Soc., representing Southern Div.—*b.* Wilmington, Del., Aug. 8, 1889; *s.* Michael J. and Lena (Saltzman) R.; reared on farm and in city; *m.* Edith Marie Snyder, July 8, 1918; *c.* Theodore. B.S., Penn. State Coll., 1913; M.S., Univ. Wis., 1915. Sigma Xi; Phi Kappa Phi.

Rosewall, Oscar Waldemar, asst. prof. ent., La. State Univ., Baton Rouge, La.

Instr. zool. and ent., La. State Univ., 1913-7; asst. prof. ent., 1917–. Sergeant Major Infantry, U. S. Army, 1918-9. —*b.* Algona, Ia., Mar. 12, 1889; *s.* Chas. and Maria (Jacobson) R.; reared in town; *m.* Elizabeth Bertram, Sept. 13, 1919. A.B., Ia. State Univ., 1913; M.S., La. State Univ., 1916.

Roske, Melvin Passon, co. agrl. agt., Ortonville, Minn.

Instr. manual training, drawing and athletics, Waseca, Minn., 1912-3; instr. agr., State Normal Sch., Emporia, Kans., 1916-8.—*b.* Lacqui Parle Co., Minn., Jan. 25, 1886; *s.* Chas. August and Sarah (Passon) R.; reared on farm. B.S.A., Univ. Wis., 1916.

Ross, Harold Ellis, prof. dairy ind., Cornell Univ., Ithaca, N. Y.

Asst. dairy ind., Cornell Univ., 1906-7; instr., 1907-9; asst. prof., 1909-12; prof., 1912–. *Auth.*: A Dairy Laboratory Guide, 1910; Laboratory Guide in Market Milk, 1915; Dairy Laboratory Guide for High Schools, 1918.—*b.* Leadville, Colo., Oct. 23, 1881; *s.* John Warren and Fanny Jane (Coleman) R.; reared on farm; *m.* Jessie F. Williams, Dec. 25, 1907; *c.* John Warren, Jane Elizabeth, Harold Ellis Jr. B.S.A., Cornell Univ., 1906; M.S.A., 1908. Sigma Xi; Gamma Alpha.

Ross, John Francis, farm supt., Cereal Field Sta., Amarillo, Tex.

Teach. agr., Indian serv., 1903-7; with Off. Cereal Invests., U. S. Dept. Agr. 1908–.—*b.* Jewell Co., Kans., Jan. 19, 1873; *s.* Pontus and Ingeborg Olina (Lokke) R.; reared on farm; *m.* Jessie Naomi Stewart, Nov. 21, 1903; *c.* Inga Ann, John Hammond, Flora Helena, Frances Naomi, Stewart. B.S.A., Kans. State Agr. Coll., 1902.

Ross, Orrin F., farmer, Lowville, N. Y.

Farmer and contractor, 1908-13; manag. H. D. Ross & Sons, Lowville, N. Y.; co. agrl. agt., Franklin Co., 1913-5; Oneida Co., 1916-8; manag. Rossdale Farms. Dir. N. Y. State Dairymens Assoc., 1912; vice-pres. Lewis Co. Agrl. Soc., 1911-2; pres. Lewis Co. Holstein Club, 1920. Lect. N. Y. Bur. Farmers Insts., 1911-3. (Holstein-Friesian cattle; farm seeds).—*b.* Lowville, N. Y., Oct. 10, 1885; *s.* Howard D. and Frankie J. (Bowen) R.; reared on farm; *m.* Ella E. Evans, Oct. 10, 1911; *c.* Eloise Estelle, Evelyn Roberta, Howard Evans, Jas. Thos. Special student, Cornell Univ., 1905-8.

Ross, Pontus Henry, asst. dir. agrl. ext. serv. and co. agt. leader, Univ. Mo., Columbia, Mo.

Expert and agt., Off. Exp. Stas., U. S. Dept. Agr., 1903-7; teach. agr., high-sch., Jewell City, Kans., 1911-2; agt. Leavenworth Co., 1912-6; co. agt. leader, Univ. Mo., 1916–; asst. dir. agrl. ext. serv., 1918–.—*b.* Jewell Co., Kans., June 24, 1879; *s.* Pontus and Ingleborg (Lokke) R.; reared on farm; *m.* Esther Hanson, Mar. 8, 1905; 2d, Bertha Campbell, Aug. 12, 1913; *c.* Philip Harold, Irene, Winifred, John. B.S., Kans. State Agr. Coll., 1902.

Ross, Ralph Archibald, co. agrl. agt., Winfield, W. Va.

b. Harrison Valley, Pa., July 20, 1891; *s.* Archibald A. and Ella D. (White) R.; reared in country. B.S., Penn. State Coll., 1915.

Ross, William Horace, sci., Bur. Soils, U. S. Dept. Agr., Washington, D. C.

Asst. chem., Ariz. Exp. Sta., 1907-12; present position, 1912–. Capt. Chem. Warfare Serv., 1918-9. Asst. ed., Chemical Abstracts, 1913-7, abstractor, 1907–. (Agrl. chem.).—*b.* Nova Scotia, Dec. 27, 1875 (naturalized 1911); *s.* Daniel and Mary (Murray) R.; reared on farm; *m.* Catherine Allen, 1908; *c.* Allan Murray, Wm. H. Jr. B.Sc., Dalhousie Univ., 1903; M.Sc., 1904; Ph.D., Univ. Chicago, 1907.

Rost, Clayton Ord, asst. prof. soil chem., Univ. Minn., University Farm, St. Paul, Minn.

Asst. agrl. chem., Neb. Exp. Sta., 1912-3; asst. soils chem. and instr., Univ. Minn., 1913-8; present position, 1918–.—*b.* Ord, Neb., Nov. 24, 1885; *s.* David E. and Mary E. (Keller) R.; reared on farm; *m.* Nina Mae Churchill, Dec. 15, 1912. B.Sc., Univ. Neb., 1911; M.A., 1912; Ph.D., Univ. Minn., 1918. Phi Beta Kappa; Sigma Xi; Alpha Chi Sigma.

Roth, Ernest G., co. agrl. agt., Brainerd, Minn.

Served in Field Artillery, U. S. Army, 16 mos.; with A. E. F., 9 mos. (Peat soils).—*b.* Sanborn, Minn., Mar. 16, 1891; *s.* Chas. F. and Rosa (Huevergarth) R.; reared on farm. B.S., Univ. Minn., 1916; M.S., 1917. Alpha Gamma Rho; Gamma Sigma Delta.

Rothenberger, Alvin Kriebel, co agrl. agt., Norristown, Pa.

Instr. agr., Perkiomen Sem., 1911-2; agt. Montgomery Co., 1912–.—*b.* Worcester, Pa., July 16, 1886; *s.* Edwin S. and Amanda (Kriebel) R.; reared on farm; *m.* Helen Elizabeth Moyer, Sept. 18, 1915; *c.* Margaret Moyer. B.S.A., Cornell Univ., 1911.

Rothgeb, Benton E., asst. agron. in chg. grain sorghum and broom corn invests., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

b. Luray, Va., May 16, 1875; *s.* Martin and Annie (Early) R.; reared on farm; *m.* Blanche G. Grove, Oct. 7, 1899; 2d, Myra E. Payne, Dec. 26, 1914; *c.* Russell G., Edwin G., Carlton P., Mabel. Grad. Roanoke Nat. Business Coll., 1898.

Roundtree, Lee J., ed. and farmer, Bryan, Tex.

Chief clerk, Tex. Legislature, 1897-1903; Lieut.-Col. on Staff of Gov. Campbell of Tex., 1907-8; U. S. Food Adminis. of Williamson Co., 1918-9. Mem. exec. com., Tex. State Council of Agr.; pres. Nat. Editorial Assoc., 1916-7. Traveled in S. Amer., Europe, Mexico. *Ed.*, Georgetown Commercial, Bryan Eagle.—*b.* Kyle, Tex., July 15, 1868; *s.* Thos. P. and Kate (Johnson) R.; reared on farm; *m.* Frances Mitchell.

Rouzer, Paul Charles, asst. prof. agrl. educ. and asst. state dir. voc. agr., W. Va. Univ., Morgantown, W. Va.

Instr. agr., high-sch., St. Croix Falls, Wis., 1912-5; agt. Tyler Co., W. Va., 1915-8; present position, 1918–. Sec. W. Va. Branch Nat. Soc. for Voc. Educ., 1919–.—*b.* Chicago, Ill., Oct. 20, 1888; *s.* John C. and Carrie (Strow) R.; reared on farm; *m.* Maud Ella Ketchum, Aug., 1913. B.S.A., Univ. Wis., 1912.

Rowan, Levi John, pres. Alcorn A.&M. Coll., Alcorn, Miss.

Teach. public schs., Miss., 1893-8; head English dept. and pres., Alcorn A.&M. Coll., 1898–. Pres. State Teachers Assoc.—*b.* Rodney, Miss., Aug. 7, 1871; *s.* Sidney and Martha (Walker) R.; reared in town; *m.* Mattie Foote, July 29, 1896; *c.* Ruth Inez, Mattie Hermione, Pearl Bernice, Thelma Bee. B.S., Alcorn A.&M. Coll., 1893; Ph.D., 1910.

Royce, Charles Howard, asst. prof. an. husb., Cornell Univ., Ithaca, N. Y.

Farm manag., N. Y., Pa., Ill., W. Va., 24 yrs.; present position, 1915–.—*b.* Mongaup Valley, N. Y., May 10, 1866; *s.* Joshua Pettis and Sarah Elizabeth (Royce) R.; reared on farm; *m.* Nina Barney, Sept. 27, 1893; *c.* Mary Gillespie, Esther Tibbits, Milton Pettis, Elizabeth Hurd. B.S.A., Cornell Univ., 1891; M.S.A., 1892.

Royce, Harry Lynn, co. agrl. agt., Wabash, Ind.

Instr. sci., high-sch., Greencastle, Ind., 1917-8. Served in U. S. Navy, 1918-9. (An. husb.).—*b.* Austin, Ind., Feb. 24, 1894; *s.* Joseph Arthur and Maud C. (Duffield) R.; reared on farm; *m.* Louise Artamissa Abrams, June 1, 1918; *c.* Virginia Louise. B.S.A., Purdue Univ., 1917. Sigma Phi Epsilon.

Roylance, William M., fruit-grower, merchant and business man, Provo, Utah.

Mem. Utah House, 1897-1900, speaker, 1899-1900; mayor Provo, 1904-5. Del. Baltimore Convention, 1912.—*b.* Springville, Utah, Mar. 31, 1865; *s.* Wm. and Lucy (Clucas) R.; reared on farm; *m.* Laura A. Turner, Dec. 23, 1885; 2d, May Zabriskie, Aug. 6, 1902; *c.* Martin W., Merline, Enid, Wm. C.

Rubinow, Sydney Godfrey, asst. to dir. ext. and Exp. Sta., N. C. State Coll. and State Dept. Agr., and sec.-treas. N. C. Cotton Assoc., Raleigh, N. C.

Teach. high-sch., Asheville, N. C., 1909-10; teach. agr., Flathead Co. high-sch., Mont., 1911-3; asst. in ext., Univ. Wis., 1913-4; sec. correspondence courses and ext. specialist in agr., Tex. A.&M. Coll., 1914-6; asst. state club leader and asst. state superv. agrl. educ., N. C. State Coll., 1916-7; asst. to dir. ext. and state chm. and dir. fairs, 1917–; state campaign dir. N. C. Div., Amer. Cotton Assoc., 1919–; teach. agrl. educ., Univ. N. C., summer 1919.—*b.* Lodz, Russia, Mar. 16, 1887 (naturalized as minor); *s.* Geo. M. and Mary R.; reared in town; *m.* Ruth Virginia Fisher, June 10, 1913; *c.* S. G. Jr., Hugh Fisher. B.S.A., Cornell Univ., 1909; M.S., Univ. Wis., 1913.

Rucker, Herbert Judson, co. agrl. agt., Effingham, Ill.

Teach. sci., Geneseo Collegiate Inst., Ill., 1913-5; head dept agr. and coll. farm, Blackburn Coll., Carlinville, 1915-7.—*b.* Literberry, Ill., July 2, 1888; *s.* G. W. and Ruth A. (Griffin) R.; reared on farm; *m.* Hazel Glenn, Aug. 27, 1913. B.S., Univ. Ill., 1913.

Rudder, Roscoe R., co. agrl. agt., Williamsburg, Ky.

Teach., Ga., 2 yrs.; Bennett Mem. Sch., Loudon, Ky., 1 yr.; agt. Whitley Co., 1919–. In U.S. Army, 1917-9; served with A. E. F. and twice wounded. —*b.* Marydell, Ky., July 6, 1894; *s.* P. J. and Angelina (Gregory) R.; reared on farm. Student Berea Coll., Ky.

Ruddick, John Archibald, dairy comnr., Ottawa, Ont.

Traveled in Europe and New Zealand. —*b.* Oxford Co., Ont., Sept. 3, 1862; *s.* Lawrence and Marion (Moir) R.; reared on farm; *m.* Harriet Emily Congdon; *c.* Marion C.

Rudnick, Arthur William, ext. prof. dairy manufactures, Ia. State Coll., Ames, Ia.

Asst. dairying, Kans. State Agr. Coll., 1910-3; asst. prof. dairying, Ia. State Coll., 1913-8; present position, 1918–. Sec. Ia. Buttermakers Assoc.—*b.* Chicago, Ill., Dec. 22, 1887; *s.* John and Wilhelmina (Mueller) R.; reared in city; *m.* Alice Smay, Aug. 7, 1912; *c.* Arthur Wm. Jr. B.S., Ia. State Coll., 1910. Phi Lambda Upsilon; Gamma Sigma Delta.

Rue, Nelson B., agrl. manag., Assoc. of Commerce, Roanoke, Va.

Agt. Smythe Co., Va., 1917-8; agt. Lee Co., 1918; distr. agt., 1919.—*b.* Harrodsburg, Ky., Aug. 17, 1892; *s.* Wallace C. and Mary (Bright) R.; reared in small town; *m.* Elizabeth Waitt, 1914; *c.* Mary Helen, Wallace Waitt, Harrison Bright. Student Ia. State Coll., 3 yrs. Sigma Alpha Epsilon.

Ruehe, Harrison August, acting head dairy dept. and asst. prof. dairy manufactures, Univ. Ill., Urbana, Ill.

Instr. dairying, Univ. Calif., 1911-2; instr. dairy manufactures, Univ. Ill., 1912-3; assoc., 1913-7; asst. prof., 1917-9; acting head dept., 1919–.—*b.* Gilman, Ill., June 26, 1888; *s.* August Henry and Sarah (Williams) R.; reared in town;

m. Phoebe Olive Barncoat, Sept. 7, 1918. B.S., Univ., Ill., 1911; M.S., 1916. Sigma Pi; Alpha Zeta.

Ruffner, Robert H., prof. an. husb. and dairying, N. C. State Coll., W. Raleigh, N. C.

Asst. vet., Md. Exp. Sta., 1908-9; dairyman for Isthmian Canal Comn., Panama, 1909-10; asst. prof. an. husb., Md. Agr. Coll., 1910-3; prof., 1913-8; ext. dairy husb., Va. Poly. Inst., 1918-9; present position, 1919–. Sec. Md. State Dairymens Assoc.; dir. Md. Holstein-Friesian Breeders Assoc.; sales manag., Southern Holstein-Friesian Breeders Assoc., 1919–. Prof zootechnics, U. S. Coll. Vet. Surgeons, 1915-8.—*b.* Fauquier Co., Va., May 22, 1882; *s.* Jas. W. and Sarah J. (Hogsett) R.; reared on farm; *m.* Frances H. Donovan, June 19, 1911; *c.* Robt. Francis, Charlotte Elizabeth. B.S., Md. Agr. Coll., 1908. Sigma Phi Sigma.

Ruggles, Arthur Gordon, state ent. and ent. Minn. Exp. Sta., University Farm, St. Paul, Minn.

Instr. ent., Univ. Minn., 1902-10; asst. prof., 1910-3; assoc. prof., 1914-9; prof. econ. ent., 1919–; ent., Pa. Chestnut Tree Blight Comn., 1912-3. Fellow A.A.A.S.—*b.* Annapolis Royal, N. S. (naturalized 1908); *s.* Arthur Stewart and Laura Elizabeth (Newcomb) R.; reared in small town; *m.* Bessie Dyer, Jan. 3, 1905; *c.* Elizabeth, Arthur G. Jr., Dyer Newcomb. B.S.A., Cornell Univ., 1901; M.A., 1904. Sigma Xi; Alpha Zeta; Gamma Alpha.

Rulifson, Edith M., home dem. agt., Bath, N. Y.

b. Mt. Lake Park, Md., Jan. 21, 1896; *d.* Wm. and Charlotte Frances R.; reared in city and country. B.S., Cornell Univ., 1918.

Rumbold, Caroline, path. sugar plant invests., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Asst. bot., Univ. Mo., 1908-10. Fellow A.A.A.S.—*b.* St. Louis, Mo.; *d.* Thos. Frazier and Charlotte Elizabeth (Ledergeber) R. B.A., Smith Coll., 1901; M.A., Washington Univ., 1903; Ph.D., 1911; Dr. oec. publ., Munich Univ., 1907. Sigma Xi; Phi Beta Kappa.

Rummell, Leo Leavitt, assoc. ed. The Ohio Farmer, Cleveland, O.

Ed. publications, Ohio Exp. Sta., 1915-8; present position, 1918–. *Joint auth.:* Rural Efficiency Guide, 1917. —*b.* Ohltown, O., Dec. 1, 1893; *s.* Elmer Ensign and Louise (McCombs) R.; reared on farm and in city; *m.* Alta Eason, Oct. 20, 1916; *c.* Maybel Louise. B.Sc., Ohio State Univ., 1915; M. Sc., 1917. Delta Sigma Rho.

Rumsey, William Earl, state ent., Morgantown, W. Va.

With ent. dept., W. Va. Exp. Sta., 1893–; state ent., 1913–. Third vice-pres. Amer. Assoc. Econ. Ent., 1915. —*b.* Van Etten, N. Y., Sept. 9, 1865; *s.* Sylvenus Dusenbury and Clarinda (Shoemaker) R.; reared on farm; *m.* Stella Edna Berkshire, Dec. 23, 1895; *c.* Neal Obeth, Virginia Clarinda. B.S.A., Cornell Univ., 1891.

Rusk, Earl Wilson, farm manag., Palmyra, Mo.

Asst. an. husb., Univ. Mo., 1909-10; farm manag., 1910-3; farm adv., Audrain Co., Mo., 1913-5; agt. Adams Co., Ill., 1915-20.—*b.* Champaign, Ill., Dec. 17, 1885; *s.* W. H. and Anna L. (Renner) R.; reared on farm; *m.* Selma O. DeWees, Oct. 27, 1909; *c.* Rowena, Leslie, Wm. DeVere, Fred Earl. B.S.A., Univ. Mo., 1909. Sigma Xi; Alpha Zeta; Chi Beta.

Rusk, Henry Perly, asst. prof. beef cattle husb., Univ. Ill., Urbana, Ill.

Asst. an. husb., Univ. Mo., 1908-9; asst. an. husb., Purdue Exp. Sta., 1909-10; assoc. in beef cattle husb., Univ. Ill., 1910-3; asst. prof. and asst. chief in Exp. Sta., 1913–. Sec. Ind. Cattle Feeders Assoc., 1909-10; sec. Ill. Cattle Feeders Assoc., 1911-8.—*b.* Rantoul, Ill., July 19, 1884; *s.* Wm. H. and Anna L. (Renner) R.; reared on farm; *m.* Edith E. Hartley, June 28, 1911; *c.* Elizabeth Hartley, Martha Hartley. B.S., Univ. Mo., 1908; M.S.A., 1911. Sigma Xi; Alpha Zeta; Alpha Gamma Rho.

Russell, Carl, co. agrl. agt., Ardmore, Okla.

Prof. an. husb. and dairying, Connell State Sch. Agr., 1914-6; agt. Carter Co., 1916–. Sec. Carter Co. Free Fair Assoc.—*b.* Muskegee Co., Okla., June 8, 1892; *s.* Campbell and Martha (Shinn)

R.; reared on farm; *m.* Elsie Ray, Aug. 19, 1914; *c.* Wm. Campbell. B.S., Okla. A.&M. Coll., 1914.

Russell, Ellen Belle, home dem. agt., Court House, Knoxville, Tenn.
Teach. home econ., Karns High-Sch., Byington, Tenn., 1917-8.—*b.* Concord, Tenn., May 4, 1894; *d.* M. L. and Julia (Nelson) R.; reared on farm. B.A., Univ. Tenn., 1917.

Russell, Harry Luman, dean Coll. Agr., Univ. Wis., Madison, Wis.
Asst. prof. bact., Univ. Wis., 1893-7; prof., 1897-1907; dean Coll. Agr. and dir. Exp. Sta., 1907–. Mem. Wis. State Bd. For.; Wis. Tuberculosis Comn. Fellow A. A. A. S. *Auth.*: Public Water Supplies (with F. E. Turneaure), 1908; Experimental Dairy Bacteriology (with E. G. Hastings), 1914; Agricultural Bacteriology (with Hastings), 1915; Outlines of Dairy Bacteriology (with Hastings), 1915. (Agrl. bact.).—*b.* Poynette, Wis., Mar. 12, 1866; *s.* E. Fred and Lucinda E. (Waldron) R.; reared in village; *m.* H. May Delany, Dec. 20, 1893; *c.* Gertrude E., Eldon B. B.S., Univ. Wis., 1888; M.S., 1890; Ph.D., Johns Hopkins Univ., 1892. Phi Beta Kappa; Sigma Xi; Alpha Zeta.

Rutherford, John Gunion, comnr., Bd. of Ry. Comnrs. for Canada, Ottawa, Ont.
Practiced vet. med., Canada, U. S. and Mex., 1879-84; horse breeder, Man. and vet. insp. for Govt., 1884-92; mem. Man. Legislature, 1892-6; mem. Dominion House of Commons, 1896-1900; special quarantine officer for Canadian Dept. Agr., in Great Britain, 1901-2; chief vet. insp., 1902-4; vet. Dir. Gen., 1904-6; live-stock comnr. and organizer meat and canned food insp. serv., 1906-11; with Canadian Pacific Ry. Co. in chg. development live-stock ind. in prairie provinces, 1912-8; supt. agr. and an. ind., 1913-8; present position, 1919–. Del. from Canada to Intern. Inst. Agr., Rome, 1908. Pres. Amer. Vet. Med. Assoc., 1908-9; chm. Intern. Comn. on Control of Bovine Tuberculosis; ex-pres. Horse Breeders Assoc of Man.; ex-pres. Man. Vet. Assoc.; pres. W. Canada Live Stock Union, 1913-9; ex-pres. Alta. Thoroughbred Horse Breeders Assoc.; mem. Sask. Royal Live Stock Comn.; chm. Joint Com. on Commerce and Agr. —*b.* Mt. Cross, Scotland, Dec. 25, 1857; *s.* Robt. and Agnes (Gunion) R.; *m.* Edith Boultbee, 1887; *c.* 3 daughters. Student Ont. Agr. Coll., 1875-6; D.V.S., Ont. Vet. Coll.

Rutherford, William John, prof. farm manag. and dean Coll. Agr., Univ. Sask., Saskatoon, Sask.
Mem. Sask. Live-Stock Bd.; Sask., Educ. Comn., 1912-3; Sask. Agrl. Instr. Com.; Sask. Winter Fair Bd.; Dominion Conservation Comn.; Adv. Council in Agr. Del. conference of universities of British Empire, London, 1912; Rural Credits Conference, Chicago, 1916. Sent to Europe as special comnr. by Sask. Educ. Com., 1912. *Auth.*: Prairie Agriculture.—*b.* Madrid, N. Y., Jan. 9, 1868; *s.* John A. and Esther (Gray) R.; reared on farm; *c.* five.

Ruzek, Charles Vladis, assoc. prof. soils, Ore. Agr. Coll., Corvallis, Ore.
Asst. prof. agron., Univ. Ark., 1909-13; asst. agron., Ark. Exp. Sta., 1909-13; present position, 1913–.—*b.* Chicago, Ill., Jan. 26, 1887; *s.* Jerome and Anna (Schader) R.; reared on farm and in city; *m.* Marie Farness, 1911; *c.* Jerome F., Chas. V. Jr. B.S.A., Univ. Wis., 1909.

S

Sackett, Walter George, bact., Colo. Exp. Sta., Fort Collins, Colo.
Prof. nat. sci., Meredith Coll., Raleigh, N. C., 1902-4; asst. prof. bact. and hygiene and asst. bact. Exp. Sta., Mich. Agr. Coll., 1904-8; present position, 1908–. Fellow A. A. A. S. *Auth.*: Chapters on Bacterial Diseases of Plants in Marshall's Microbiology, 1911-7.—*b.* Sterling, Ill., July 5, 1880; *s.* Walter C. G. and Emma L. (Hagey) S.; reared in city; *m.* L. Margaret Ferguson, 1905; *c.* Mariana Wray. B.S., Univ. Chicago, 1902; Ph.D., 1918. Phi Beta Kappa; Sigma Xi; Alpha Zeta.

St. John, Catherine M., home dem. agt., Rustburg, Va.
Princ. sch., Syracuse, N. Y., 4 yrs., S. Norwalk, Conn., 14 yrs., Petersburg, Va., 9 yrs.;co. home dem. agt., Dunwiddie Co., 1 yr., Campbell Co., Va., 2 yrs. —*b.* Fabius, N. Y., Apr. 12, 1870; *d.* Pembroke and Mary D. (Parkhurst) S.; reared on farm. Grad. Petersburg Female Coll.

Salisbury, Earle Chester, co. agrl. agt., Bluffton, Ind.

Manag. Schlosser Bros. hog farm, Plymouth, Ind., 3 yrs.; farmer, Steuben Co., 10 yrs.—*b.* Geneva, Neb., June 30, 1881; *s.* Frank G. and Barbara (Pocock) S.; reared on farm; *m.* Jeanette Van Fossen, Sept. 12, 1906; *c.* Esther V., Martha Ellen, Wendell Maynard, Arthur Gillis. B.S.A., Purdue Univ., 1904.

Salisbury, George W., co. agrl. agt., Altamont, Kans.

Princ. Atchison Co. high-sch., Effingham, Kans., 1915-8; agt. Labette Co., 1919–. In U. S. Army, May-Dec., 1918. —*b.* Astoria, Ill., Nov. 17, 1888; *s.* Wm. and Angeline (Stephens) S.; reared on farm; *m.* Lois E. Marsh, June 12, 1918; *c.* Ruth Elaine. B.S., Univ. Ill., 1915.

Salisbury, Schuyler Marsh, co. agrl. agt., Medina, O.

Instr. dairying, N. C. A.&M. Coll., 1913-5; asst. prof. an. husb., Ohio State Univ., 1915-8; co. agt., 1918–.—*b.* Collinwood, O., June 29, 1889; *s.* Joseph G. and Lina (Marsh) S.; reared on farm; *m.* Golda Ree Wade, June 29, 1909; *c.* Glenn W., Genevieve. B.S.A., Ohio State Univ., 1913.

Salmon, Samuel Cecil, prof. farm crops, Kans. State Agr. Coll., Manhattan, Kans.

Special agt., U. S. Dept. Agr., 1908-11; plant physiologist, 1911-3; present position, 1913–.—*b.* Emery, S. D., July 25, 1885; *s.* A. G. and Lucy (Merrill) S.; reared on farm; *m.* Ada Miner, Mar., 1908; *c.* Miner Ray, Mary Aurolyn. B.S., S.D. State Coll., 1907.

Salt, Charles Franklin, agrl. advertiser, Mumm-Romer Advertising Co., Columbus, O.

Instr. journalism, Ia. State Coll., 1916; asst. prof. agrl. journalism, 1917. 1st. Lieut. Signal Corps, U. S. Army, 1917-9; served with A. E. F.—*b.* Superior, Wis., Jan. 23, 1893; *s.* Enoch J. and Ella (Green) S.; reared in city. B.S., Ohio State Univ., 1914; A.B., 1915. Delta Upsilon; Sigma Delta Chi.

Salter, Robert Mundhenk, assoc. prof. soils and agron. Exp. Sta., W. Va. Univ., Morgantown, W. Va.

Instr., Ohio State Univ., 1914-5; asst. soils chem., W. Va. Exp. Sta., 1915-6; soils chem. and asst. prof. soils, W. Va. Univ., 1916-9; agron. and assoc. prof., 1919–.—*b.* Huntington, Ind., Mar. 31, 1892; *s.* Wm. A. and Minnie E. (Mundhenk) S.; reared in country; *m.* Sarah Opal Godfrey, Aug. 14, 1917; *c.* Elizabeth Ann. B. S. A., Ohio State Univ., 1913; M. Sc., 1914. Delta Theta Sigma; Phi Lambda Upsilon; Sigma Xi.

Sammis, John Langley, assoc. prof. dairy husb., Univ. Wis., Madison, Wis.

Instr. chem., Univ. Ill., 1900-5; asst. prof. dairy husb., Univ. Wis., 1907-12; assoc. prof., 1912–.—*b.* Winona, Minn., Jan. 1, 1873; *s.* John Bangs and Malvina Augusta (Newman) S.; reared in suburbs; *m.* Flora Elizabeth Curtis, June 30, 1898; *c.* Marguerite, Malvina Elizabeth, Josephine, John Curtis. B.S., Univ. Ill., 1897; M.S., 1899; Ph. D., Univ. Wis., 1906. Phi Lamda Upsilon.

Sampson, Harry Oscar, superv. agrl. educ., Dept. Public Instr., Trenton, N. J., and prof. agrl. educ., Rutgers Coll., New Brunswick, N. J.

Teach. agr., high-sch., Waterford, Pa., 1904-6; asst. agrl. educ., U. S. Dept. Agr., 1906-8; princ. Sch. Agr., Intern. Correspondence Schs., Scranton, Pa., 1908-14; prof. agr., Winthrop Normal Coll., Rock Hill, S. C., 1915-8; present position, 1918–. *Auth.*: Effective Farming, 1918. *Ed.*, agrl. text books for Intern. Correspondence Schs., 1908-14. —*b.* Dodgeville, Wis., Apr. 21, 1879; *s.* Wm. and Agnes (Shipley) S.; reared in country and small city; *m.* Harriet Louise Nairn, May 29, 1908; *c.* Louise Nairn, H. O. Jr. B.S., Ia. State Coll., 1903; B.S.A., 1904. Phi Gamma Delta.

Sams, John Robert, co. agrl. agt., Columbus, N. C.

Supt. schs., Madison Co., Tenn., 1870-4; pres. Mars Hill Coll., 1868-72; farmer. Served in State Home Guards, 1862-4, Civil War.—*b.* Washington Co., Tenn., July 15, 1848; *s.* L. W. and Ailey (Brown) S.; reared on farm; *m.* Loduska Carter, Aug. 4, 1870; *c.* Eugenia, Chas., Emmett, Mae, Flossie, Bessie, Rohdie. Grad. Mars Hill Coll., 1870.

Samson, Harold Willis, invest. in marketing fruits and vegetables, Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Distr. hort. insp., Wash. State Dept. Agr., 1912-8; present position, 1918–.

—*b.* Puyallup, Wash., Feb. 13, 1888; *s.* Elmer E. and Margaret (Willis) S.; reared on farm; *m.* Gladys Lockwood, Aug. 20, 1913; *c.* Elizabeth, Catherine. B.S., Univ. Calif. Sigma Alpha Epsilon.

Samuelson, Samuel Ernest, co. agrl. agt., Wakefield, Neb.

Agrl. dir., high-sch., Gothenburg, Neb., 1913-4; princ. and instr. agr., Lynd Consolidated Sch., Minn., 1914-6; supt. Waldorf Consolidated Sch., Minn., 1916-8; distr. agrl. agt., Hebron, Neb., 1918-9; agt. Dixon Co., 1918-.—*b.* Wayne Co., Neb., Mar. 6, 1889; *s.* August and Emma (Anderson) S.; reared on farm; *m.* Bessie Elma Manzer, Dec. 27, 1916; *c.* Merrill Ernest, Lucile Martha. Special student, Univ. Minn., 1915.

Sanborn, Jeremiah Wilson, farmer, Pittsfield, N. H.

Farm supt., teach., invest., N. H. Coll., 1876-82; dean faculty agr., Univ. Mo., 1882-9; pres. Utah Agr. Coll., 1889-94. Sec. Mo. Bd. Agr., 1882-7; mem. N.H. Bd. Agr., 1874-82. Mem. N. H. Legislature, 1875-6, 1909-10. Pres. Kearsage Nat. Farm Loan Assoc.—*b.* Gilmanton, N. H., Feb. 4, 1847; *s.* Geo. Wilson and Mary Ann (Brown) S.; reared on farm; *m.* Belle Greyham Osborne, June 4, 1872; *c.* Harry Wilson, Alice, Carl Jeremiah. B.S., M.S., N. H. Coll.; LL.D., Utah Agr. Coll.

Sanders, Alvin Howard, ed. The Breeders' Gazette, 542 S. Dearborn St., Chicago, Ill.

Mem. U. S. Comn., Paris Expos., 1900; vice-chm., U. S. Tariff Bd., 1908-12; mem. Agrl. Adv. Bd. of Ill., 1917. Vice-pres. Intern. Live-Stock Expos. Chevalier of the Order of Leopold, Belgium. *Auth.*: History of Shorthorn Cattle, 1900; The Story of the Herefords, 1914; At the Sign of the Stock Yard Inn, 1915; The Road to Dumbiedykes, 1916; A History of the Percheron Horse (with Wayne Dinsmore), 1917; The Black Swans, 1918; In Winter Quarters, 1920. —*b.* Keokuk Co., Ia., Sept. 8, 1860; *s.* Jas. H. and Martha (Rodgers) S.; reared on farm; *m.* Elizabeth A. Hildebrand, Apr. 25, 1882; *c.* Elizabeth, Louise, Alva. LL.B., Northwestern Univ., 1881; D.Agr., Univ. Ill., 1906; LL.D., Kenyon Coll., O., 1910. Chi Phi.

Sanders, James G., dir. Pa. Bur. Plant Ind. and chm. Amer. Assoc. Hort. Insps., State Capitol, Harrisburg, Pa.

Fellow and sci. asst., Ohio State Univ., 1902-5; expert, U. S. Bur. Ent., 1905-10; prof. ent., Univ. Wis., 1910-5; state ent., Wis., 1915-6; state zool., Pa., 1916-9; sec. Amer. Assoc. Hort. Insps., 1913-9. Rep. Fed. Hort. Bd. to study potato wart disease in British Isles, 1919. (Homopterous insects).—*b.* Louisville, O., July 17, 1880; *s.* Franklin P. and Elma J. (Gindlesperger) S.; reared on farm; *m.* Anna Salome Wingate, Aug. 15, 1906; *c.* Elma Salome. Ph.B., Otterbein Univ., O., 1901; M.A., Ohio State Univ., 1903. Sigma Xi; Delta Upsilon.

Sanders, Paul Haddon, assoc. ed. Southern Ruralist, 116 E. Hunter St., Atlanta, Ga.

Formerly asst. boys' club agt., U. S. Dept. Agr. and Miss. A.&M. Coll. (Swine, club work).—*b.* Kosciusko, Miss., Sept. 21, 1894; *s.* Wiley and Fannie (Stokes) S.; reared in town; *m.* Ruth B. Jennings, Apr. 17, 1915; *c.* Ruth B., Mary O. B.S., Miss. A.&M. Coll., 1914.

Sanders, Vergil A., field agt., U. S. Bur. Crop Estimates, Wakefield, Mass.

Sch. teach., 4 yrs.; field agt., Dept. Commerce and Labor., 1907-13; in chg. crop reporting serv. for New England, 1913-.—*b.* Orleans, Ind., Dec. 9, 1878; *s.* L. F. P. and Sarah J. (Elrod) S.; reared on farm; *m.* Van E. Atkinson, Aug. 24, 1905; *c.* Nelle Gayl, Alma Elrod. A.B., Ind. Univ., 1907; grad. student Univ. Wis., 1½ yrs.

Sanderson, Ezra Dwight, prof. rural organization, Cornell Univ., Ithaca, N. Y.

Asst. state ent., Md., 1898-9; ent., Del. Exp. Sta., 1899-1902; state ent., Tex. A.&M. Coll., 1902-4; prof. zool. and ent., N. H. A.&M. Coll., 1904-10; dir. N. H. Exp. Sta., 1907-10; dean Coll. Agr., W. Va. Univ., 1910-5; dir. W. Va. Exp Sta., 1912-5; present position, 1918-. Past pres. Amer. Assoc. Econ. Ent. *Auth.*: Insects Injurious to Staple Crops, 1902; Insect Pests of Farm, Garden and Orchard, 1911; Elementary Entomology (with C. F. Jackson), 1911; School Entomology (with L. M. Peairs), 1917.—*b.* Clio, Mich., Sept. 25, 1878; *s.* John Phillip and Alice Ger-

trude (Wright) S.; reared in city; *m.* Anna Cecilia Blandford, Sept. 19, 1899. B.S., Mich. Agr. Coll., 1897; B.S.A., Cornell Univ., 1898; fellow sociol., Univ. Chicago, 1915-8. Sigma Xi.

Sandhammer, Frank, asst. co. agt. leader, Mich. Agr. Coll., E. Lansing, Mich.
Teach. agr., high-sch., Hart, Mich., 1913-4; state high-sch., Rushford, Minn., 1914-6; agt. Manistee Co., Mich., 1916-9.—*b.* Chicago, Ill., Feb. 1, 1891; *s.* John A. and Mary A. (Hennecke) S.; reared on farm; *m.* Imo Zoe Morrow; *c.* Jean May. B.S., Mich. Agr. Coll., 1913.

Sandige, John Richard, manag. Pleasant Valley Farms Co., Claypool, Ariz.
Asst. agrst., agrl. sch., Los Angeles, Calif., 1911; Tempe Normal Sch., Ariz., 1912-4; asst. bot., Univ. Ariz. and teach. sch. gardens, State Deaf and Dumb Sch., 1914-5; chg. war garden, Inspiration, Ariz., 1917-9; co. agrl. agt., Claypool. (Apples, swine).—*b.* Edwardville, Ill., Aug. 19, 1892; *s.* Abner W. and Alice (Lambert) S.; reared on farm; *m.* Florence Dunbar, July 15, 1918. B.S., Univ. Mo., 1917. Sigma Kappa Zeta.

Sandsten, E. P., prof. hort., Colo. Agr. Coll., Ft. Collins, Colo.
Assoc. prof. hort., Md. Agr. Coll., 1902; prof. hort., Univ. Wis., 1903-11; commercial hort., Mont., 1911-3; prof. hort., Ala. Poly. Inst., 1913-4; present position, 1914–. State hort. of Colo. Sec.-treas. Colo. Potato Growers Assoc. Traveled in Mexico 1 yr. investigating rubber, tobacco, sugar industries.—*b.* Kalmar, Sweden, Sept. 15, 1868 (naturalized 1894); *s.* J. and Charlotte (Sandsten) S.; reared on farm; *m.* Pearl Dew, Sept. 12, 1903; *c.* Emilie Dew. B.S., Univ. Minn., 1895; M.S., 1898; Ph.D., Cornell Univ., 1903. Sigma Xi; Alpha Zeta.

Sanford, Frank Hobart, prof. silviculture and lumbering, Mich. Agr. Coll., E. Lansing, Mich.
Commercial nursery, 1904-6; asst. for., Mich. Agr. Coll., 1906-7; instr., 1907-9; asst. prof., 1909-13; acting prof., 1913-4; assoc. prof. for., 1914–. Sec. State Maple Syrup Assoc.—*b.* Tompkins, Mich. May 18, 1880; *s.* Frank M. and Minnie G. (Townley) S.; reared on farm; *m.* Cara Farmer, Jan. 1906; *c.* Marjorie B., M. Genevieve, Frank H., Cara Jean, Tom F. B.S., Mich. Agr. Coll., 1904; M.F., 1913.

Sanford, Herbert Luther, ent. insp., Fed. Hort. Bd., U. S. Dept. Agr., Washington, D. C.
b. Ithaca, N. Y., Aug. 6, 1883; *s.* Chas. Judson and Helen Butler (Brown) S.; reared in city; *m.* Nellie LaBarre Dougherty, June 26, 1912. B.S.A., Cornell Univ., 1910.

Sargent, Christopher Gilbert, prof. rural educ. and state dir. voc. educ., Colo. Agr. Coll., Ft. Collins, Colo.
Co. supt. schs., Mess Co., Colo., 1908-12; present position, 1912–.—*b.* Vincennes, Ia., Mar. 25, 1872; *s.* Stephen and Mary (Noel) S.; reared on farm; *m.* Mary L. Bandy, Sept. 27, 1899; *c.* Cecil, Helen, Roger, Homer, Howard. A.B., Parsons Coll., Fairfield, Ia., 1899; Pd.M., Colo. State Teach. Coll., 1912; B.S.A., Colo. Agr. Coll., 1919.

Sargent, L. Carl, asst. prof. agrl. law, Coll. Agr., Syracuse Univ., Syracuse, N. Y.
b. Sandy Creek, N. Y., May 10, 1884; *s.* Edmund L. and Mary J. (Davis) L.; reared in country; *m.* Alta Cook, June 18, 1911; *c.* Robt. Edmund, John. Ph.B., Syracuse Univ., 1909; LL.B., 1912. Phi Beta Kappa; Phi Kappa Phi; Phi Delta Phi.

Sasscer, Ernest Ralph, chief insp., Fed. Bd. Hort., U. S. Dept. Agr., Washington, D. C.
Pres. Washington Ent. Soc., 1918-9; fellow A.A.A.S.—*b.* Waldorf, Md., Oct. 23, 1883; *s.* P. E. and Ada T. (Huntt) S.; reared in town; *m.* Mary K. Lynch, Oct. 6, 1913; *c.* Elizabeth Ann. B.S., Md. State Coll., 1904; M.S., 1913.

Satterthwait, Alfred Fellenberg, sci. asst. in chg. U. S. Ent. Lab. for cereal and forage insect invests., Webster Gro[illegible] Mo.
Farmer, Pa., 1901-4; in [illegible] Pa. Dept. Agr., 1905-10; [illegible] vident Life and Trust [illegible] 1910-3. (Billbugs) [illegible] Apr. 9, 1879; [illegible] (Conard) S[illegible] beth [illegible] schola[illegible] delphia

—*b*. Puyallup, Wash., Feb. 13, 1888; *s*. Elmer E. and Margaret (Willis) S.; reared on farm; *m*. Gladys Lockwood, Aug. 20, 1913; *c*. Elizabeth, Catherine. B.S., Univ. Calif. Sigma Alpha Epsilon.

Samuelson, Samuel Ernest, co. agrl. agt., Wakefield, Neb.

Agrl. dir., high-sch., Gothenburg, Neb., 1913-4; princ. and instr. agr., Lynd Consolidated Sch., Minn., 1914-6; supt. Waldorf Consolidated Sch., Minn., 1916-8; distr. agrl. agt., Hebron, Neb., 1918-9; agt. Dixon Co., 1918-.—*b*. Wayne Co., Neb., Mar. 6, 1889; *s*. August and Emma (Anderson) S.; reared on farm; *m*. Bessie Elma Manzer, Dec. 27, 1916; *c*. Merrill Ernest, Lucile Martha. Special student, Univ. Minn., 1915.

Sanborn, Jeremiah Wilson, farmer, Pittsfield, N. H.

Farm supt., teach., invest., N. H. Coll., 1876-82; dean faculty agr., Univ. Mo., 1882-9; pres. Utah Agr. Coll., 1889-94. Sec. Mo. Bd. Agr., 1882-7; mem. N.H. Bd. Agr., 1874-82. Mem. N. H. Legislature, 1875-6, 1909-10. Pres. Kearsage Nat. Farm Loan Assoc.—*b*. Gilmanton, N. H., Feb. 4, 1847; *s*. Geo. Wilson and Mary Ann (Brown) S.; reared on farm; *m*. Belle Greyham Osborne, June 4, 1872; *c*. Harry Wilson, Alice, Carl Jeremiah. B.S., M.S., N. H. Coll.; LL.D., Utah Agr. Coll.

Sanders, Alvin Howard, ed. The Breeders' Gazette, 542 S. Dearborn St., Chicago, Ill.

Mem. U. S. Comn., Paris Expos., 1900; vice-chm., U. S. Tariff Bd., 1908-12; mem. Agrl. Adv. Bd. of Ill., 1917. Vice-pres. Intern. Live-Stock Expos. Chevalier of the Order of Leopold, Belgium. *Auth.*: History of Shorthorn Cattle, 1900; The Story of the Herefords, 1914; At the Sign of the Stock Yard Inn, 1915; The Road to Dumbiedykes, 1916; A History of the Percheron Horse (with Wayne Dinsmore), 1917; The Black Swans, 1918; In Winter Quarters, 1920. —*b*. Keokuk Co., Ia., Sept. 8, 1860; *s*. Jas. H. and Martha (Rodgers) S.; reared on farm; *m*. Elizabeth A. Hildebrand, Apr. 25, 1882; *c*. Elizabeth, Louise, Alva. LL.B., Northwestern Univ., 1881; D.Agr., Univ. Ill., 1906; LL.D., Kenyon Coll., O., 1910. Chi Phi.

Sanders, James G., dir. Pa. Bur. Plant Ind. and chm. Amer. Assoc. Hort. Insps., State Capitol, Harrisburg, Pa.

Fellow and sci. asst., Ohio State Univ., 1902-5; expert, U. S. Bur. Ent., 1905-10; prof. ent., Univ. Wis., 1910-5; state ent., Wis., 1915-6; state zool., Pa., 1916-9; sec. Amer. Assoc. Hort. Insps., 1913-9. Rep. Fed. Hort. Bd. to study potato wart disease in British Isles, 1919. (Homopterous insects).—*b*. Louisville, O., July 17, 1880; *s*. Franklin P. and Elma J. (Gindlesperger) S.; reared on farm; *m*. Anna Salome Wingate, Aug. 15, 1906; *c*. Elma Salome. Ph.B., Otterbein Univ., O., 1901; M.A., Ohio State Univ., 1903. Sigma Xi; Delta Upsilon.

Sanders, Paul Haddon, assoc. ed. Southern Ruralist, 116 E. Hunter St., Atlanta, Ga.

Formerly asst. boys' club agt., U. S. Dept. Agr. and Miss. A.&M. Coll. (Swine, club work).—*b*. Kosciusko, Miss., Sept. 21, 1894; *s*. Wiley and Fannie (Stokes) S.; reared in town; *m*. Ruth B. Jennings, Apr. 17, 1915; *c*. Ruth B., Mary O. B.S., Miss. A.&M. Coll., 1914.

Sanders, Vergil A., field agt., U. S. Bur. Crop Estimates, Wakefield, Mass.

Sch. teach., 4 yrs.; field agt., Dept. Commerce and Labor., 1907-13; in chg. crop reporting serv. for New England, 1913-.—*b*. Orleans, Ind., Dec. 9, 1878; *s*. L. F. P. and Sarah J. (Elrod) S.; reared on farm; *m*. Van E. Atkinson, Aug. 24, 1905; *c*. Nelle Gayl, Alma Elrod. A.B., Ind. Univ., 1907; grad. student Univ. Wis., 1½ yrs.

Sanderson, Ezra Dwight, prof. rural organization, Cornell Univ., Ithaca, N. Y.

Asst. state ent., Md., 1898-9; ent., Del. Exp. Sta., 1899-1902; state ent., Tex. A.&M. Coll., 1902-4; prof. zool. and ent., N. H. A.&M. Coll., 1904-10; dir. N. H. Exp. Sta., 1907-10; dean Coll. Agr., W. Va. Univ., 1910-5; dir. W. Va. Exp Sta., 1912-5; present position, 1918-. Past pres. Amer. Assoc. Econ. Ent. *Auth.*: Insects Injurious to Staple Crops, 1902; Insect Pests of Farm, Garden and Orchard, 1911; Elementary Entomology (with C. F. Jackson), 1911; School Entomology (with L. M. Peairs), 1917.—*b*. Clio, Mich., Sept. 25, 1878; *s*. John Phillip and Alice Ger-

trude (Wright) S.; reared in city; *m.* Anna Cecilia Blandford, Sept. 19, 1899. B.S., Mich. Agr. Coll., 1897; B.S.A., Cornell Univ., 1898; fellow sociol., Univ. Chicago, 1915-8. Sigma Xi.

Sandhammer, Frank, asst. co. agt. leader, Mich. Agr. Coll., E. Lansing, Mich.
Teach. agr., high-sch., Hart, Mich., 1913-4; state high-sch., Rushford, Minn., 1914-6; agt. Manistee Co., Mich., 1916-9.—*b.* Chicago, Ill., Feb. 1, 1891; *s.* John A. and Mary A. (Hennecke) S.; reared on farm; *m.* Imo Zoe Morrow; *c.* Jean May. B.S., Mich. Agr. Coll., 1913.

Sandige, John Richard, manag. Pleasant Valley Farms Co., Claypool, Ariz.
Asst. agrst., agrl. sch., Los Angeles, Calif., 1911; Tempe Normal Sch., Ariz., 1912-4; asst. bot., Univ. Ariz. and teach. sch. gardens, State Deaf and Dumb Sch., 1914-5; chg. war garden, Inspiration, Ariz., 1917-9; co. agrl. agt., Claypool. (Apples, swine).—*b.* Edwardville, Ill., Aug. 19, 1892; *s.* Abner W. and Alice (Lambert) S.; reared on farm; *m.* Florence Dunbar, July 15, 1918. B.S., Univ. Mo., 1917. Sigma Kappa Zeta.

Sandsten, E. P., prof. hort., Colo. Agr. Coll., Ft. Collins, Colo.
Assoc. prof. hort., Md. Agr. Coll., 1902; prof. hort., Univ. Wis., 1903-11; commercial hort., Mont., 1911-3; prof. hort., Ala. Poly. Inst., 1913-4; present position, 1914–. State hort. of Colo. Sec.-treas. Colo. Potato Growers Assoc. Traveled in Mexico 1 yr. investigating rubber, tobacco, sugar industries.—*b.* Kalmar, Sweden, Sept. 15, 1868 (naturalized 1894); *s.* J. and Charlotte (Sandsten) S.; reared on farm; *m.* Pearl Dew, Sept. 12, 1903; *c.* Emilie Dew. B.S., Univ. Minn., 1895; M.S., 1898; Ph.D., Cornell Univ., 1903. Sigma Xi; Alpha Zeta.

Sanford, Frank Hobart, prof. silviculture and lumbering, Mich. Agr. Coll., E. Lansing, Mich.
Commercial nursery, 1904-6; asst. for., Mich. Agr. Coll., 1906-7; instr., 1907-9; asst. prof., 1909-13; acting prof., 1913-4; assoc. prof. for., 1914–. Sec. State Maple Syrup Assoc.—*b.* Tompkins, Mich. May 18, 1880; *s.* Frank M. and Minnie G. (Townley) S.; reared on farm; *m.* Cara Farmer, Jan. 1906; *c.* Marjorie B., M. Genevieve, Frank H., Cara Jean, Tom F. B.S., Mich. Agr. Coll., 1904; M.F., 1913.

Sanford, Herbert Luther, ent. insp., Fed. Hort. Bd., U. S. Dept. Agr., Washington, D. C.
b. Ithaca, N. Y., Aug. 6, 1883; *s.* Chas. Judson and Helen Butler (Brown) S.; reared in city; *m.* Nellie LaBarre Dougherty, June 26, 1912. B.S.A., Cornell Univ., 1910.

Sargent, Christopher Gilbert, prof. rural educ. and state dir. voc. educ., Colo. Agr. Coll., Ft. Collins, Colo.
Co. supt. schs., Mess Co., Colo., 1908-12; present position, 1912–.—*b.* Vincennes, Ia., Mar. 25, 1872; *s.* Stephen and Mary (Noel) S.; reared on farm; *m.* Mary L. Bandy, Sept. 27, 1899; *c.* Cecil, Helen, Roger, Homer, Howard. A.B., Parsons Coll., Fairfield, Ia., 1899; Pd.M., Colo. State Teach. Coll., 1912; B.S.A., Colo. Agr. Coll., 1919.

Sargent, L. Carl, asst. prof. agrl. law, Coll. Agr., Syracuse Univ., Syracuse, N. Y.
b. Sandy Creek, N. Y., May 10, 1884; *s.* Edmund L. and Mary J. (Davis) L.; reared in country; *m.* Alta Cook, June 18, 1911; *c.* Robt. Edmund, John. Ph.B., Syracuse Univ., 1909; LL.B., 1912. Phi Beta Kappa; Phi Kappa Phi; Phi Delta Phi.

Sasscer, Ernest Ralph, chief insp., Fed. Bd. Hort., U. S. Dept. Agr., Washington, D. C.
Pres. Washington Ent. Soc., 1918-9; fellow A.A.A.S.—*b.* Waldorf, Md., Oct. 23, 1883; *s.* P. E. and Ada T. (Huntt) S.; reared in town; *m.* Mary K. Lynch, Oct. 6, 1913; *c.* Elizabeth Ann. B.S., Md. State Coll., 1904; M.S., 1913.

Satterthwait, Alfred Feilenberg, sci. asst. in chg. U. S. Ent. Lab. for cereal and forage insect invests., Webster Groves, Mo.
Farmer, Pa., 1901-4; in Div. Zool., Pa. Dept. Agr., 1905-10; solicitor Provident Life and Trust Co., Philadelphia, 1910-3. (Billbugs).—*b.* Fairville, Pa., Apr. 9, 1879; *s.* Geo. T. and Sarah C. (Conard) S.; reared on farm; *m.* Elizabeth Allen, June 22, 1911. Jessup scholarship, Acad. Nat. Sci., Philadelphia.

Sauer, Herman O., co. agrl. agt., Linton, N. D.

Princ. schs., Ceylon, Minn., 1911-3; Pettibone, N. D., 1914-6; Reform Sch., N. D., 1916-8.—*b.* Thor, Ia., Sept. 19, 1879; *s.* A.A. and Marie (Krohn) S.; reared on farm. B.A., Luther Coll., Decorah, Ia., 1903; grad. theol., Luther Sem., Hamline, Minn., 1906.

Saunders, Charles E., Dominion cerealist, Cent. Expl. Farm, Ottawa, Ont.

b. London, Ont., Feb. 2, 1867; *s.* Wm. and Sarah Agnes (Robinson) S.; reared in city; *m.* Mary Blackwell, Dec. 28, 1892. B.A., Univ. Toronto, 1888; Ph.D., Johns Hopkins Univ., 1891.

Saunders, William D., head dairy and an. husb. dept., Va. Poly. Inst., Blacksburg, Va.

In chg. creamery, Va. Poly. Inst.; adj. prof. and prof. dairy husb. and head dept. Sec. Va. State Dairymens Assoc., 1906-14; dairy and food comnr., Va., 1908-14.—*b.* Hunter Hall, Va., Sept. 3, 1865; *s.* Peter and Elizabeth Lewis (Dabney) S.; reared on farm; *m.* Bettie Montgomery, July 12, 1899; *c.* Robt. N., Wm. D., Elizabeth L., Isabella F. Student Univ. Va., Cornell Univ.

Savage, Charles Frederic, co. sec. Y.M.C.A., Deep River, Conn.

b. Baraboo, Wis., July 1, 1877; *s.* Joseph N. and Arabella B. (Hurlbut) S.; reared on farm; *m.* Ethel E. Rich, Sept. 15, 1906; *c.* Donald H., F. Waldo. A.B., Brown Univ., 1904. Phi Beta Kappa; Phi Delta Theta.

Savage, Cole, co. agrl. agt., Scottsboro, Ala.

Teach. rural schs., Ala., 2 yrs. Farming, Wayne, Ill., 1 yr.—*b.* Fayette, Ala., Jan. 17, 1895; *s.* Victor and Julia Nicholas (Shirley) S.; reared on farm. Student Ala. Poly. Inst., 1915-6.

Savage, Elmer Seth, prof. an. husb., Cornell Univ., Ithaca, N. Y.

Asst. an. husb., Cornell Univ., 1907-8; instr., 1908-10; asst. prof., 1910-3; prof., 1913-. *Auth.*: Feeds and Feeding Manual, 1915; Feeding Dairy Cattle. *Ed.*, Tompkins Co. Breeders' Journal. (Feeding live-stock).—*b.* Lancaster, N. H., June 15, 1884; *s.* John and Katherine M. (Daley) S.; reared on farm; *m.* Clara Blanford, Sept. 8, 1908; 2d, Genevieve Boyle, June 29, 1916; *c.* Ruth Cecilia, Clara Katherine, Mary Gene. B.S.A., N. H. A.&M. Coll., 1905; M.S.A., Cornell Univ., 1909; Ph.D., 1911. Sigma Xi; Kappa Sigma; Alpha Zeta; Gamma Alpha.

Savoie, Francois Narcisse, sec. Dept. Agr., Quebec, Que.

Prof. cereal husb., Agrl. Sch., St. Anne-de-la-Pocatiere, 1913-6. Dir. Canadian Seed Growers Assoc. In chg. distr. agron. in province Que.—*b.* Plessisville, Que., July 29, 1886; *s.* Georges and Philomene (Tardif) S.; reared on farm and in town; *m.* Marguerite DeGagrave, Feb. 1, 1915. B.S.A., McGill Univ.

Sawhill, William H., co. agrl. agt., Spirit Lake, Ia.

Stock examiner, Bur. An. Ind., U. S. Dept. Agr., 1907-9; agrl. ext. dept., Univ. Ida., 1912-3.—*b.* Claysville, Pa., Oct. 6, 1884; *s.* John Edgar and Minnie Agnes (Garrett) S.; reared on farm; *m.* Lillian Lewis, Jan. 1, 1908; *c.* Edgar Lewis, W. H. Jr. B.S., Ia. State Coll. Phi Kappa Psi.

Sawyer, George Howard, farmer, Waterford, Calif.

Pres. Stanislaus Co. Farm Bur.; dir. Calif. Farm Bur. Fed.; sec.-treas. Hickman Nat. Farm Loan Assoc. Del. from Calif. to Amer. Farm Bur. convention, Chicago, 1919.—*b.* San Jose, Calif., July 26, 1888; *s.* Wesley C. and Minnie (Birge) S.; reared in town; *m.* Lena E. Nelson; *c.* Wesley, Evelyn, Marian, Ruth, Minnie. Student Coll. of Pacific, Harvard Univ., Univ. Calif.

Sawyer, Louis, beef cattle specialist, U. S. Dept. Agr., Univ. Ark., Fayetteville, Ark.

Foreman cattle ranch, Burns, Ore., 1 yr.; manag. ranch, Boise, Ida., 1 yr.; present position, 1917-. With U. S. Naval Aviation Reserve Force, 1918-9.—*b.* Eaton, O., Feb. 21, 1893; *s.* W. S. and Hattie (Haven) S.; reared on farm. B.S.A., Ore. Agr. Coll., 1913; M.S.A., Ia. State Coll., 1916. Gamma Sigma Delta.

Scammell, Harold Besnard, cranberry grower, Toms River, N. J.

Asst. to state ent., Minn. Exp. Sta., 1910-1; ent. asst., U. S. Dept. Agr., 1913-

S. Sec.-treas. Amer. Cranberry Growers Assoc. (Cranberry and blueberry insects).—*b.* Brooklyn, N. Y., Oct. 7, 1885; *s.* Frederick Ernest and Margaret Amelia (McAdam) S.; reared in town; *m.* Elizabeth Cutler, June 11, 1912; *c.* Margaret Cutler, Frederick Ernest. B.S., Colo. Agr. Coll., 1910. Alpha Zeta.

Scandrett, Milton Elwood, co. agrl. agt., Franklin, Ind.

Instr. agr., high-sch., Winnebago, Minn., 1914-8.—*b.* Avoca, Ia., Sept. 13, 1889; *s.* Wm. R. and Lucinda (Smith) S.; reared on farm; *m.* Clara W. Dillman, Nov. 24, 1916; *c.* Elwood D. B.S., Ia. State Coll., 1914.

Schafer, Edwin George, prof. farm crops and agron. Exp. Sta., Wash. State Coll., Pullman, Wash.

Asst. farm crops, Kans. State Agr. Coll., 1907-9; instr., 1910-3; present position, 1913–.—*b.* Jewell, Kans., Feb. 18, 1884; *s.* John C. and Mary L. (Klink) S.; reared on farm; *m.* Ella F. Miles, Aug. 16, 1912; *c.* Geo. Miles, Judith Evelyn. B.S., Kans. State Agr. Coll., 1907; M.S., Univ. Ill., 1910.

Schafer, Raymond Walter, co. agrl. agt., Washington, Kans.

Farm manag. dem., Kans. State Agr. Coll., 1916; present position, 1917–.—*b.* Jewell, Kans., Jan. 3, 1891; *s.* John C. and Marie L. (Klink) S.; reared on farm; *m.* Ethel M. Boyce, Apr., 1917; *c.* Martha Jeanne. B.S., Kans. State Agr. Coll., 1914; M.S., Univ. Wis., 1917. Sigma Nu.

Schalk, Arthur Frederick, prof. vet. sci., N. D. Agr. Coll., Agricultural College, N. D.

Asst. prof. vet sci., N. D. Agr. Coll., 1910-6; prof., 1916–, and dean sch. Vet. Med. and Surg., and vet. Exp. Sta. Dir. N. D. State Serum Inst.; bact. N. D. Live-Stock Sanitary Bd., 1918.—*b.* Hamilton, O., June 19, 1880; *s.* John Lawrence and Anna (Eichler) S.; reared on farm; *m.* Ethel Brown, Dec. 22, 1908; *c.* Arthur Frederick Jr. D.V.M., Ohio State Univ., 1908. Alpha Psi.

Schaub, Ira Obed, agrst. and field agt., States Relations Serv., U. S. Dept. Agr., Washington, D. C.

Asst. chem., Ill. Exp. Sta., 1903-5; asst. prof. soils, Ia. State Coll., 1905-9; in chg. boys' and girls' club work in N. C., 1909-13; agrst., Frisco R.R. lines, 1913-8; present position, 1918–. *Auth.*: (with W. H. Stevenson) Soil Physics Laboratory Guide.—*b.* Stokes Co., N. C. Sept. 28, 1880; *s.* Wm. H. and Mary (Grabs) S.; reared on farm; *m.* Maud Kennedy, July 27, 1910; *c.* Maud Kennedy. B.S., N. C. State Coll., 1900; grad. student Johns Hopkins Univ., 3 yrs. Kappa Sigma; Alpha Zeta.

Scheerer, George William, co. agrl. agt., Prescott, Ariz.

Dairy assoc. work in Salt River Valley, Univ. Ariz., 1 yr.; present position, 1919–. 1st Lieut. Infantry, U. S. Army, 1917-8.—*b.* Tombstone, Ariz., Nov. 19, 1889; *s.* Jacob S.; reared on ranch. B.S.A., Univ. Ariz., 1916. Sigma Alpha Epsilon.

Scheetz, Clyde O. T., co. agrl. agt., Alpena, Mich.

Instr. agr. and chem., high-sch., Albion, Mich., 1917-8; present position, 1918–.—*b.* Coshocton, O., Jan. 21, 1893; *s.* Albert C. and Margaret (Ely) S.; reared on farm; *m.* Ila May Baker, 1917; *c.* Patricia Alleine. B.S., Mich. Agr. Coll., 1917.

Scherer, Norman W., asst. prof. for., Ohio State Univ., Columbus, O.

Mem. editorial bd., Ohio Journal of Science; collaborator, Botanical Abstracts.—*b.* Sandusky, O., June 25, 1888; *s.* Jacob and Louisa (Siegrist) S.; reared in city; *m.* Hilda Gundlach, Sept. 2, 1915; *c.* Paul Norman. B.Sc., Univ. Mich., 1910; M.S.F., 1912; grad. student Univ. Calif., 1919-20. Alpha Pi Upsilon; Acacia.

Schermerhorn, Lyman Gibbs, asst. prof. veg. gard. and olericulturist Exp. Sta., Rutgers Coll., New Brunswick, N. J.

Instr. hort., Mont. State Coll., 1910-2; asst. prof., 1912-4; instr. veg. gard., Rutgers Coll., 1914-6; asst. prof., 1916–; olericulturist Exp. Sta., 1918–.—*b.* Malden, Mass., June 28, 1887; *s.* Jas. V. and Nellie G. (Brigham) S.; reared in city and on farm; *m.* Lillian E. Tolman, Aug. 4, 1910; *c.* Lyman G. Jr. B.S., Mass. Agr. Coll., 1910.

Schmidt, Jacob Philip, co. agrl. agt., Mt. Gilead, O.

Princ. high-sch., Bourneville, O., 1916-7; made complete rural church survey of Portsmouth Distr., summer 1917; distr. superv. rural schs., Ross Co., 1917-8; present position, 1919–. First pres. Assoc. O. High-Sch. Teach. Agr., 1917. 2d Lieut. Infantry, U. S. Army, 1918.—*b.* Columbus, O., Feb. 17, 1893; *s.* Frederick and Elizabeth (Schmidt) S.; reared on farm; *m.* Lorene Zona Peshak, Nov. 26, 1918; *c.* Birdie Irene. B.S.A., Ohio State Univ., 1916.

Schnabel, Charles Franklin, instr. voc. agr., high-sch., Excelsior Springs, Mo.

Princ. high-sch., Granby, Mo., 1916-7; present position, 1919–. In Infantry, U. S. Army, 1917-9; served with A.E.F. —*b.* Iona, Mo., Feb. 13, 1895; *s.* Lewis J. and Ellender (Rogers) S.; reared in country; *m.* Julia Eaton, Nov. 29, 1917. B.S., Univ. Mo., 1917.

Schnabel, Howard Irven, instr. agr., high-sch., Sebastopol, Calif.

b. Iona, Mo., July 15, 1888; *s.* Lewis J. and Ella (Rogers) S.; reared on farm; *m.* Irene Newcomb, Mar. 1918. B.S.A., Univ. Calif., 1916.

Schnacke, Ralph Powell, co. agrl. agt., Larned, Kans.

Farmer, Stafford and Barton Cos., Kans., 1905-13; agt. Pawnee Co., 1916–. —*b.* Hiawatha, Kans., Feb. 1, 1884; *s.* Leon C. and Winnifred (Davis) S.; reared in town; *m.* Lilah A. Smith, Nov. 18, 1909; *c.* Mary Alice. B.S.A., Kans. State Agr. Coll., 1916. Gamma Sigma Delta; Phi Kappa Phi.

Schneck, Henry William, asst. prof. veg. gard, Cornell Univ., Ithaca, N. Y.

Instr. veg. gard., Cornell Univ., 1913-7; asst. prof., 1917–. (Veg. forcing).—*b.* Wis., June 18, 1889; *s.* Geo. W. and Frances (Kaul) S.; reared in town; *m.* Mae Clark, June 28, 1915; *c.* Eleanor Frances, Virginia Mae. B.S.A., Univ. Wis., 1913; M.S.A., Cornell Univ., 1914.

Schock, Oliver D., librarian Public Serv. Comn. of Pa., Harrisburg, Pa.

Asst. sec. and special agt., Pa. State Bd. Agr., 18 yrs; chief clerk, Dept. Agr., 5 yrs.; deputy dairy and food comnr., 5 yrs. Ex-pres. Pa. State Editorial Assoc.—*b.* Hamburg, Pa., Apr. 28, 1858; *s.* Nathan S. and Amelia K. (Nies) S.; reared on farm; *m.* Sarah R. Kepner, 1879; *c.* Harvey Earl, Bertha Estelle.

Schoene, William Jay, state ent. and ent. Exp. Sta., Va. Poly. Inst., Blacksburg, Va.

Asst. and assoc. ent., N. Y. Agr. Exp. Sta., Geneva, 1905–13; orchard insp., Ill., winter, 1905-6; state ent., Va., 1913–; acting dir. Exp. Sta., 1914-6. —*b.* Henderson, Ky., July 27, 1879; *s.* W. M. and Ellen (Jay) S.; reared in town; *m.* R. B. Yankey, June 3, 1907; *c.* Chas. Andrew, Sara, Mary Margaret. B.A., Univ. Ky., 1905; M.S., Univ. Chicago, 1910.

Schooley, Paul Tofel, ext. hort. of N. C., Raleigh, N.C.

Orchardist with Arcadia Orchards Co., Spokane, Wash.; hort., Potter-Palmer Estate, Medford, Ore.; hort. agt. Albemarle Co., Va., 1917-8. Del. to Farmers Union Convention, 1917; insp., Ala. State Bd. Hort.; special invest., State Bd. Control for Ala.—*b.* Pittsburgh, Pa., July 31, 1892; *s.* John R. and Chadwick (Tafel) S.; reared in city and country. B.S.A., Ore. Agr. Coll. Alpha Tau Omega.

Schoppe, William Freeman, prof. poultry husb., Mont. State Coll., Bozeman, Mont.

Asst. poultry husb., R. I. Exp. Sta., 1907-8; poultryman, Mont. Exp. Sta., 1908-11; asst. prof. an. ind. in poultry, Univ. Me., 1911-3; present position, 1913–. Chm. State Bd. Poultry Husb. —*b.* N. H., 1883; *s.* H. S. and M. E. (Cushman) S.; reared on farm; *m.* M. D. Pilsbury, Aug. 4, 1910; *c.* Wm. F. Jr., Robt. Pilsbury. B.S., Univ. Me., 1907; M.S., 1913. Sigma Alpha Epsilon; Alpha Zeta.

Schowengerdt, Paul Franklin, ext. specialist in soils, Univ. Mo., Columbia, Mo.

Asst. soils, Univ. Mo., 1916-7; instr. an. husb., Colo. Agr. Coll., 1917-8; asst. emergency dem. agt., 1918-9; agrl. agt. Calloway Co., Mo., 1919-20; present position, 1920–.—*b.* Warrenton, Mo., Feb. 19, 1893; *s.* F. E. and Laura (Wightman) S.; reared in town; *m.* Mabel Brandt, Jan. 2, 1918. A.B., Cent. Wesleyan Coll., 1914; B.S.A., Univ. Mo., 1917. Acacia.

Schulte, John Ignace, sci. administrative asst., Off. Exp. Stas., States Relations Serv., U. S. Dept. Agr., Washington, D. C.

Asst. hort., Ia. State Coll., 1895-7; asst. ed. field crops, Experiment Station Record and sci. asst., U. S. Dept. Agr., 1897-. Mem. Intern. Jury, Paris Expos., 1900; Chevalier du Merite Agricole. Farmer, Va., 1906-. (Agron.).—*b.* New Vienna, Ia., Oct. 11, 1869; *s.* Herman F. and Caroline (Waldmann) S.; reared on farm; *m.* Mary Frances Colbath; *c.* Mary Carolyn. B.Agr., Ia. State Coll., 1895.

Schulze, August Frederick, prof. hort. and supt. grounds, Riggs Sch., Lakeville, Conn.

Instr. bot., Conn. Agr. Coll., 1913-5; agt. dehydration foods, and invest. of the toxicity of mucors, U. S. Bur. Chem., 1915-8; field asst. genetics, Sta. for Exptl. Evolution, 1918; present position 1918-.—*b.* Woodbury, N. J., Apr. 4, 1886; *s.* August C. F. W. and Elizabeth (Jordan) S.; reared in city and on farm. B.S., Conn. Agr. Coll., 1913.

Schumaker, Doris, home dem. agt., Watertown, N. Y.

Instr. home econ., Wash. State Coll., 1915-8.—*b.* Palouse, Wash., Mar. 22, 1891; *d.* John C. and Carrie (Pangborn) S.; reared in village. B.S., Wash. State Coll., 1915. Pi Beta Phi.

Schuster, Carl Ephraim, asst. prof. hort., Ore. Agr. Coll., Corvallis, Ore.

With U. S. Dept. Agr., 15 mos. Served as 2d Lieut. Infantry, U. S. Army, 16 mos.—*b.* O., July 15, 1889; *s.* C. T. and Flora (Parker) S.; reared in country. B.S., Ore. Agr. Coll., 1914; M.S., 1916. Alpha Zeta.

Schutz, Harry Herman, field agt., U. S. Bur. Crop Estimates, State Capitol, Oklahoma City, Okla.

Instr., N. Mex. A.&M. Coll., 1909-10; prof., 1911.—*b.* El Paso, Tex., Mar. 10, 1882; *s.* S. C. and Frieda (Heiman) S.; reared in city; *m.* Marian Elizabeth Campbell, Nov. 6, 1912; *c.* John Logan. B.S., N. Mex. A.&M. Coll., 1905; B.S.A., Cornell Univ., 1907. Alpha Zeta.

Schuyler, Roy, agrl. rep., Paris, Ont.

b. Rockford, Ont., Oct. 18, 1883; *s.* Isaac Wesley and Sarah Anne (Irvine) S.; reared on farm; *m.* Cora Amelia Howard, June 12, 1913; *c.* Harold Irvine, Howard Lindsay, Doris Lorene. B.S.A., Ont. Agr. Coll., 1912.

Scoates, Daniels, prof. and head dept. agrl. engin., Tex. A.&M. Coll., College Station, Tex.

Asst. agrl. engin., Mont. State Coll., 1910; prof. agrl. engin., Miss. A.&M. Coll. to 1919. *Auth.*: Farm Machinery Laboratory Manual, 1913; Agricultural Surveying Laboratory Manual, 1913; Farm Motor Laboratory Manual, 1918; Concrete Construction Laboratory Manual, 1918. (Farm bldgs.).—*b.* Crown Point, Ind., Jan. 27, 1882; *s.* Wm. Richard and Emily Townsend (Coffin) S.; reared in city and on farm; *m.* Mary Eleanor Lamb, Nov. 1910; *c.* Wm. Daniels, Mary Eleanor, Alice Emily. B.S.A., Ia. State Coll., 1910; A.E., 1915.

Scofield, Carl Schurz, in chg. western irrig. agr., U. S. Dept. Agr., Washington, D.C.

Ed., Journal Washington Acad. Sci., 1912-4. Traveled in Europe, Algeria, Haiti. (Agron.).—*b.* Bloomington, Minn., Feb. 5, 1875; *s.* J. D. and Caroline Samantha (Damon) S.; reared on farm; *m.* Emma Scott, Sept. 8, 1903; *c.* Francis, John, Marcia. B.S.A., Univ. Minn., 1900.

Scott, Charles Anderson, state for. and prof. for., Kans. State Agr. Coll., Manhattan, Kans.

For. expert and superv., U. S. For. Serv., 1901-8; prof. for., Ia. State Coll., 1908-10; present position, 1910-.—*b.* Westmoreland, Kans., Jan. 30, 1875; *s.* Adam and Elizabeth (Anderson) S.; reared on farm; *m.* Perley B. Jewett, Jan. 30, 1907; *c.* Sybella Adelaide, Sarah Elizabeth, Hazle Marie. B.S.A., Kans. State Agr. Coll., 1901; grad. student Yale For. Sch. Alpha Zeta.

Scott, Clifton, co. agrl. agt., Rockwell City, Ia.

Supt. schs., Auburn, Ia., 1913-4; instr. agr., high-sch., Paris, Ill., 1915-7; Mason City, Ia., 1917-8; present position, 1918-.—*b.* Gowrie, Ia., Aug. 19, 1886; *s.* Taylor and Mary (Bass) S.; reared on farm; *m.* Edith Gurney, June 29, 1918. B.S., Cornell Coll., 1913; B.S.A., Ia. State Coll., 1915. Gamma Sigma Deta.

Scott, John Marcus, vice-dir. and an. industrialist, Fla. Exp. Sta., Gainesville, Fla.

Asst. an. husb., N. Mex. A.&M. Coll., 1903-6; present position, 1907-.—*b.* Westmoreland, Kans., Nov. 1, 1877; *s.* Adam and Elizabeth (Anderson) S.; reared on farm; *m.* Mary L. O'Daniel, June 28, 1905; *c.* John M. Jr. B.S., Kans. State Agr. Coll., 1903.

Scott, Leo Blynn, gen. manag. Nurserymens Bud Selection Assoc. of Calif., San Jose, Calif.

Sci. asst., U. S. Dept. Agr., 1911-4; asst. pom., 1914-7; pom., 1917-20; present position, 1920-.—*b.* Hershey, Mich., Sept. 20, 1888; *s.* Blynn Edgar and Libya Jeanette (Baker) S.; reared in town; *m.* Harriett Esther Baxter, Sept. 11, 1912; *c.* Sarah, Blynn Edgar. B.S., Mich. Agr. Coll., 1911.

Scott, Roy S., co. agrl. agt., Roundup, Mont.

Farmer and stockman, Neb., 1 yr., S. D., 10 yrs.—*b.* Aurora, Neb., Apr. 3, 1883; *s.* Roy S. and Kate (Giltner) S.; reared in town and country; *m.* Ethel Peirce, July 17, 1917. B.S.A., Univ. Ill., 1917.

Scott, Verner Ephraim, state leader in dairy ext. and prof. dairying, Univ. Nev., Reno, Nev.

Instr. an. husb., Dunn Co. Sch. Agr., Menomonie, Wis., 1911-2; asst. an. husb., Univ. Nev., 1912-3; chg. an. husb., 1913-4; state leader dairying, 1914-.—*b.* Chilton, Wis., May 2, 1878; *s.* Henry K. and Mary C. (Ware) S.; reared on farm; *m.* Ethel Robinson, Aug. 17, 1903; *c.* Lionel R., Lawrence E. B.S.A., Univ. Wis., 1911.

Scott, William Moore, specialist in standardization of grades for fruits and vegetables, Bur. Markets, U. S. Dept. Agr., Washington, D. C.

State ent. of Ga., 1898-1903; path., U. S. Dept. Agr., 1903-11; present position, 1916-. Fruit-grower, Hancock, Md. *Assoc. ed.*, Phytopathology, 3 yrs. —*b.* Sugar Grove, Va., May 30, 1873; *s.* Levi M. and Amanda A. (Edmondson) S.; reared on farm; *m.* Mary Florence Roop, Mar., 1900. B.S., Va. Poly. Inst., 1896; M.S., 1898.

Scovill, Hiram Thompson, certified public accountant, prof. accounting, Univ. Ill., Urbana, Ill.

In chg. accounting instr., Univ. Ill., 1913-. Pres. Amer. Assoc. Univ. Instrs. in Accounting. *Auth.*: Farm Accounting, 1918; Elements of Accounting, 1919.—*b.* near Leaf River, Ill., Feb. 22, 1885; *s.* Wm. P. and Josephine (Thompson) S.; reared on farm and in village; *m.* Edith Eliza Stewart, Aug. 31, 1912; *c.* Wm. Stewart, Mary Josephine, Janet Ruth. A.B., Univ. Ill., 1908. Phi Beta Kappa; Beta Gamma Sigma.

Scoville, Gad Parker, asst. prof. farm manag., Cornell Univ., Ithaca, N. Y.

Teach. high-schs., Fresno, Calif., 1910-2; farm bur. manag., Chemung Co., N. Y., 1912-4; present position, 1914-. —*b.* Varysburg, N. Y., May 5, 1885; *s.* John Wesley and Lizzie (Watson) S.; reared on farm; *m.* Hazel Perine, June 25, 1913; *c.* Elizabeth, Theresa. B.S., Cornell Univ., 1910.

Scoville, Hector Humphrey, lawyer and fruit-grower, San Juan, Porto Rico.

Teach. public schs., Ky., 6 yrs. Mem. Bd. Comnrs. of Porto Rico. 5 yrs.; mem. Bd. Trustees, Univ. Porto Rico, 1912-; mem. Porto Rico Tariff Comn., 1913. Pres. Porto Rico Fruit Exchange, 1910-20. (Pineapple and grapefruit). —*b.* Laurel Co., Ky., Dec. 16, 1876; *s.* Sheldon and Pauline (Pigg) S.; reared on farm; *m.* Frances McIntyre, Sept. 5, 1904; 2d, Lillian Pike, Sept. 28, 1909; *c.* Francis.

Scruggs, P. G., agrst., Cameron State Sch. Agr., Lawton, Okla.

Present position, 1915-. 2d Lieut. Artillery, U. S. Army, 14 mos.—*b.* Jefferson City, Mo., Sept. 3, 1891; *s.* Alexander and Mary Belle (Wade) S.; reared on farm; *m.* Marguerite Bahon, Aug. 14, 1920. B.S., Okla. A.&M. Coll.

Scudder, Henry Desborough, prof. and chief farm manag., Ore. Agr. Coll. and Exp. Sta., Corvallis, Ore.

Sci. asst., U. S. Dept. Agr., 1902-4; instr. sci., high-sch., Cloquet, Minn., 1904-5; instr. agron. and asst. agron., Kans. State Agr. Coll. and Exp. Sta., 1906-7; prof. and chief agron., Ore. Agr. Coll. and Exp. Sta., 1907-16; prof. and

chief soils and farm manag., 1916-8; prof. and chief farm manag., 1918-. Chm. State Pure Seed Bd.; gen. supt. Ore. Land Settlement Comn.—*b.* Moberly, Mo., Dec. 17, 1881; *s.* Clarence O. and Amelia C. (Beyer) S.; reared on farm; *m.* Leila K. McCotter, Aug. 26, 1907; *c.* Donald M., Robt. D., Katherine M. B.S.A., Univ. Ill., 1902. Alpha Zeta.

Scudder, Nathaniel Edward, co. agrl. agt., Sabinal, Tex.

Teach. rural schs., Tex., 1905-12; high-sch., New Braunfels, 1912-8; present position, 1918-.—*b.* Dallas, Tex., Apr. 27, 1885; *s.* Nathaniel and Susan (Webster) S.; reared on farm; *m.* Annie Catherine Witt, Sept. 20, 1911.

Scullen, Herman Austin, field agt. in bee culture, Bur. Ent., U. S. Dept. Agr., Pullman, Wash.

Princ. high-sch., Junction City, Ore., 1910-2; instr. zool., Ia. State Coll., 1912-4; asst. prof., 1914-8; present position, 1918-.—*b.* Pierce Co., Wis., Nov. 27, 1887; *s.* Willard Jay and Elizabeth (Glendenning) S.; reared on farm; *m.* Johanna Marie Frederickson, Aug. 23, 1911; *c.* Ruby Mae. A.B., Univ. Ore., 1910.

Scully, Charles B., farmer, real estate and insurance, Altamont, Mich.

Mem. Mich. Senate 2 terms, pres. pro-tem, 1919-20; mem. exec. com., State War Preparedness Bd.; mem. State Reconstruction Com. by appointment of Governor; ex-pres. State Assoc. Farmers Clubs; farmers inst. lect., 6 yrs.; vice-pres. Amer. Leicester Sheep Breeders Assoc.; sec. Lapeer Farmers Mutual Fire Insurance Assoc.; vice-pres. Mich. Fed. of Insurance.—*b.* Altamont, Mich., June 17, 1878; *s.* John B. and Charity A. (Bristol) S.; reared on farm; *m.* Mabel M. Hallock, Mar. 1, 1900; *c.* Leona V., Clinton W., Merwin H.

Seabrook, Charles Frank, truck farmer, Bridgeton, N. J.

Pres. and gen. manag., Seabrook Farms Co.—*b.* Bridgeton, N. J., May 28, 1881; *s.* Arthur P. and Elizabeth (Riley) S.; reared on farm; *m.* Norma D. Ivans; *c.* Belford, Courtney, Thelma, John.

Searles, Frances Elizabeth Willard, home dem. agt., Albion, N. Y.

Asst. home dem. agt. Otsego Co., N. Y., 1918-9; home dem. agt. Orleans Co., 1919-.—*b.* N. Van Etten, N. Y., Nov. 13, 1895; *d.* Leroy and Carrie (Lyon) S.; reared in town. B.S., Cornell Univ., 1918.

Searles, Harold Robert, farmer and dairy husbandman, manag. Grahanholm Farms, Rochester, Minn.

Instr. dairy husb., Univ. Minn., 1917-8. Sec.-treas. Minn. Holstein-Friesian Assoc., 1918; pres. Olmsted Co. Farm Bur. Assoc., 1920. Served as private, U. S. Marine Corps, 1918-9.—*b.* Olmsted Co., Minn., Aug. 2, 1891; *s.* Arthur and Mary (Roberts) S.; reared on farm. B.S., Univ. Minn., 1917. Acacia.

Sears, Fred C., prof. pom., Mass. Agr. Coll., Amherst, Mass.

Asst. hort., Kans. Exp. Sta., 1893-7; prof. hort., Utah Agr. Coll., 1897; dir. Nova Scotia Sch. Hort., 1897-1904; prof. hort., Nova Scotia Agr. Coll., 1904-7; present position, 1907-. Vice-pres. for Mass., New England Fruit Show, 1909-17. Manager fruit farm, 1908-. *Auth.*: Productive Orcharding, 1914.—*b.* Lexington, Mass., May 11, 1866; *s.* Thos. B. and Mary (Wellington) S.; reared on farm; *m.* Ruth T. Stokes, Oct. 19, 1897; *c.* Florence Hart, Elizabeth Kent. B.S., Kans. State Agr. Coll., 1892; M.S., 1896.

Sears, Ogle Hesse, asst. prof. agrl. chem., Purdue Univ., LaFayette, Ind.

Asst. chem., Purdue Univ., 1914-5; asst. soils, 1915-6; instr. soils, 1916-8; asst. prof. agrl. chem., 1918-.—*b.* Oblong, Ill., May 24, 1892; *s.* Jacob and Maria C. (Hess) S.; reared on farm; *m.* Helen L. Troop, June 1915. B.S., Univ. Ill., 1914; M.S., Purdue Univ., 1917.

Seaton, Laurence F., production manag. Hebb Motor Co., Lincoln, Neb.

Formerly prof. agrl. engin., Univ. Neb. (Farm motor vehicles).—*b.* Seaton, Ill., Mar. 26, 1887; *s.* J. H. and Ida (Palmer) S.; reared on farm; *m.* Pearl Erwin, June 24, 1913; *c.* Marjorie E. B.S. in M.E., Univ. Neb., 1911; M.E., 1919.

Sechrist, Edward Lloyd, apiculturist for Hispaniola Honey Co., Monte Cristi, Dominican Republic, W. Indies.

Instr. agr and mech., Umtali Ind. Sch., Umtali, Rhodesia, S. Africa, 4 yrs.; commercial beekeeper, Calif., 7 yrs.; formerly apicultural asst., Bur Ent., U. S. Dept. Agr.; traveled in S. Pacific Isls. —b. W. Salem, O., Aug. 15, 1873; s. Henry and Julia A. (Shoemaker) S.; reared on farm; m. Ada B. Himmelright, 1901; c. Hazel, Paul, Alice. Student Ohio Northern Univ., 2 yrs.

Secor, Alson, ed. Successful Farming, Des Moines, Ia.

Dairy farmer, 6 yrs.; ed. Kimballs Dairy Farmer, 1 yr.; present position, 1906— Mem. Amer mission to England and France, 1918. Rural econ. —b. Forest City, Ia., Nov. 5, 1871; s. Eugene and Milly N. Spencer S.; reared on farm; m. Adella Schaefer, June 24, 1897; c. Helen, Marvel, Vista, Ralph, Candace. D.D.S., Ia. State Univ.

Secor, Arthur James, v. agri. agt., Kossuth, Ia.

Farmer and stockman, 1905-12; teach. manual tr., Pipestone, Minn., 1912-8; present position, 1918— —b. Marshall Co., Ia., June 25, 1886; s. Wm. S. and Anna Hansen S.; reared on farm; m. Julia Warren, June 1917. B.S.A., Ia. State Coll., 1905.

Secrest, Edmund, inst. dept. for., Ohio Agr. Exp. Sta., Wooster, O.

Sp. asst., U. S. For. Serv., 1912-3. For. warden, U. S. Fish Commiss. For. asst., For. Assoc. Student for. conditions in Europe —b. Kansas, Kans., Aug. 24, 1882; s. Edward and Sophia Anelton S.; reared on farm; m. Helen Shriver, Oct. 19, 1912; c. Mary Elizabeth, Sophia. B.S., Kans. State Agr. Coll., 1912.

Seedis, K. Beaver, specialist in grain marketing and grain supervr., Bur Markets, U. S. Dept. Agr., Citizens & Southern Bank Bldg., Atlanta, Ga.

In commercial grain and milling business, 1906-1911; asst. in grain marketing, Bur Markets, 1913-6; specialist, 1916-; present position, 1919— Chm. for. trade, Grain Growers Assoc., 1917— —b. Liverpool, Eng., Oct. 15, 1879; s. E. V. and Frances L. Beaver S.; reared in city; m. Susan Hazel Milar, Nov. 4, 1908; c. Elizabeth Milar, Elmore Willard. Student Ohio State Univ., Acacia.

Seeley, Dewey Alsdorf, meteorologist and instr. meteorology, Mich. Agr. Coll., E. Lansing, Mich.

With U. S. Weather Bur., 1906—; instr. meteorology, Bradley Poly. Inst., Peoria, Ill., 1906-9; present position, 1910—.—b. Pontiac, Mich., Aug. 4, 1875; s. Chas. L. and Stella J. Alsdorf S.; reared on farm; m. Edith L. Sellers, Nov. 10, 1906; c. Marian E., Stuart W., Dewey Maxwell. B.S., Mich. Agr. Coll., 1906, M.S., 1917.

Seely, John H., farmer and stockman, Mt. Pleasant, Utah.

Pioneer breeder pure-bred Ramboullet sheep and Shorthorn cattle. Dir and supervr cattle dept., Utah State Fair; dir., vice-pres., pres. Amer. Ramboullet Sheep Breeders Assoc.; vice-pres. Utah Wool Growers Assoc. Former state senator, Utah Legislature; former mayor Mt. Pleasant.—b. San Bernardino, Calif., Apr. 29, 1855; s. Justus Wellington and Clarina Jane Wilson S.; reared in farm; m. Margaret Peel, Jan. 15, 1880; c. Ethel A., Leila J., Earl E., J. Leo, Leonard J., Armelia C., L. Vern, Chesley P., Oliver D.

Segsworth, Robert, minister, Cheltenham, Ont.

Dep. to Canadian Council of Agr. Extn. educ. —b. Manra, Ont., June 26, 1877; s. Wm. and Phyllis Nunn S.; reared in farm; m. Ida S. Green, July 7, 1908; c. E. Sumner, Ida Jean, Phyllis Gwendoline. Vernon Sem. B.D., McMaster Univ., 1908.

Seitz, Charles E., agr. engr., ext. div., Va. For. Inst., Blacksburg, Va.

In Specialist in soil drainage, ext. div., Va. For. Inst., 1916-; agr. engr., 1917— Served in 18th Va. Cavalry on Mexican border, 1916— Air Serv., U. S. Army, World War —. Bern, Nov. 1, 1881; s. Edward L. and Frances E. Lehman S.; reared in town; m. Nancy E. Hughes, Jan. 21, 1918. Student Univ. Neb., Iowa Agr. Coll., Ia. State Coll. Sigma Chi, Phi Kappa Phi.

Selby, Augustine Dawson, bot., Ohio Agr. Exp. Sta., Wooster, O.

Supt. schs., Huntington, W. Va., 1884-6; princ. high-sch., Ironton, O., 1886-7; teach. bot. and chem., high-sch., Columbus, O., 1890-4; bot. and chem., Ohio Agr. Exp. Sta., 1894-1902; bot., 1902-. Fellow A. A. A. S.; fellow Bot. Soc. Amer. Pres. Amer. Phytopath. Soc., 1911; pres. O. Acad. Sci., 1901; sec. Columbus Hort. Soc., 1891-4. Farm operator.—*b.* Athens Co., O., Sept. 2, 1859; *s.* Warren and Emily (Garretson) S.; reared on farm; *m.* Libbie Glover, Dec. 15, 1883; *c.* Warren Fowke. B.S., Ohio State Univ., 1893. Phi Kappa Psi.

Sell, Gustav Adolph, co. agrl. agt., Oshkosh, Wis.

Instr. agr., high-sch. Omro, Wis., 1916-7.—*b.* New Ulm, Minn., Aug. 28, 1891; *s.* Herman and Louise (Clober) S.; reared on farm and in town; *m.* Bessie A. Piper, Aug. 23, 1917; *c.* Thos. Gustav. B.S.A., Univ. Wis. Acacia; Alpha Zeta.

Selvig, Conrad George, supt. Northwest Sch. Agr. and Exp. Sta. of Univ. Minn., Crookston, Minn.

Supt. schs., Glencoe, Minn., 1907-10; present position, 1910-. Served as volunteer, Spanish-American War, 1898. Pres. Red River Valley Dairymens Assoc.; pres. Red. River Valley Live-Stock Assoc.; mem. Minn. State Com. Food Conservation; dir. N. W. Minn. Distr., United War Work; mem. Minn. Land Colonization Comn.—*b.* Rushford, Minn., Oct. 11, 1877; *s.* Gunder C. and Marie (Hognestad) S.; reared on farm and in town; *m.* Marion E. Wilcox, June 17, 1903; *c.* Helen Marion, Margaret Elizabeth, Conrad Geo. A.B., Univ. Minn., 1907; M.A., 1908. Phi Delta Kappa; Acacia.

Seulke, Karl John, prof. an. husb., Cornell Univ., Ithaca, N. Y.

Instr., Ind. Univ., summer 1913; teach. fellow, Penn. State Coll., 1913-4; instr. an. husb., Cornell Univ., 1914-6; asst. prof., 1916-9; prof., 1919-. Eastern rep. Amer. Aberdeen Angus Breeders Assoc., 1920-.—*b.* Seymour, Ind., Feb. 15, 1890; *s.* August H. and Marie (Heins) S.; reared on farm; *m.* Mayme Dee Kahle, Aug. 24, 1913; *c.* Donald Karl. B.S.A., Purdue Univ., 1913; M.S.A., Penn. State Coll., 1914; Ph.D., Cornell Univ., 1916. Alpha Gamma Rho; Theta Alpha.

Severance, George, vice-dean Coll. Agr. and head dept. farm manag., Wash. State Coll., Pullman, Wash.

Instr. agr., Mich. Agr. Coll., 1901-2; instr. agr., Wash. State Coll., 1902-4; asst. prof., 1904-5; prof. agron., 1905-8; acting head dept. agr., 1908-9; supt. farms for A. C. Bohrnstedt Co., Lethbridge, Alta., 1910-1; supt. W. Wash. Exp. Sta., 1911-3; head dept. agr., Wash. State Coll., 1913-7; vice-dean Coll. Agr. and head dept farm manag., 1917-. Mem. State Dairy and Food Comn., 1908-9; sec. Wash. State Grain Growers, Shippers and Millers Assoc., 1908-9, 1914; sec. Inland Empire Stock Breeders Assoc., 1904.—*b.* Walled Lake, Mich., Feb. 4, 1874; *s.* Thos. Chalkley and Martha (McCall) S.; reared on farm; *m.* Ethel Eslick Espy, Aug. 28, 1907; *c.* Percy Howard, Mabel Grace, Helen Katherine. B.S.A., Mich. Agr. Coll., 1901.

Severin, Harry Charles, prof. ent., state ent. and chief nursery insp., and ent. Exp. Sta., S. D. State Coll., Brookings, S. D.

Instr., Ohio State Univ., 2 yrs.; asst. to state ent. Ill., summer 1907; present position, 11 yrs. (Coccidae).—*b.* Milwaukee, Wis., Mar. 28, 1885; *s.* Henry and Augusta (Schultz) S.; reared in city. B.A., Univ. Wis., 1906; M.A., Ohio State Univ., 1907. Sigma Xi.

Severson, Burns Oscar, assoc. prof. an. breeding, Kans. State Agr. Coll., Manhattan, Kans.; 1887–Dec. 4, 1918. See Rus 1918.

Sevey, Glenn C., ed. New England Homestead, Russell, Mass.

Sec. New England Farmers War Council. *Auth.*: Bean Culture; Peas and Pea Culture.—*b.* Greenbush, Mich., Mar. 15, 1881; *s.* John C. and Emma (McClure) S.; reared on farm; *m.* Marie Vance, Mar. 1904; *c.* John C., Elaine C. B.S., Mich. Agr. Coll., 1903. Alpha Zeta.

Sewell, Franklane Lorraine, staff artist, Reliable Poultry Journal, Niles, Mich.

Painter under Bonnatt, Julien Acad., winter 1892; sketched from life fowls in

zool. gards. and exhibitions for Amer. and British live-stock and poultry journals; illustrated for American Agriculturist, 1891-2 and World's Fair, Chicago, 1893; illustrator to Feathered World and Poultry, London, England, and International Poultry Journal, Petrograd, Russia. Illustrator N. Y. Poultry Show, 1890–; Boston, 1896–; Pan American Poultry Exhibition, Buffalo, 1901; St. Louis Expos., 1904; Panama-Pacific Intern. Poultry Exhibition, 1915. Artist to Amer. Poultry Assoc. in Standard Perfection, editions, 1905, 1910, 1915.—*b.* Evanston, Ill., Sept. 8, 1866; *s.* Alfred Lorraine and Sara (Lane) S.; reared in town; *m.* Jessie Kean, Dec. 1893; *c.* Ralph Lorraine, Ruth Marguerite, Sara Elizabeth. Educ. art insts.

Seymour, Edward Loomis Davenport, agrl. ed., Hempstead, N. Y.

On staff World's Work, 1911-2; Country Life in America and The Garden Magazine, 1913-8; mem. Foreign Press Bur., Com. on Public Information, 1918-9; assoc. ed. The Florist's Exchange, 1919; independent agrl. writer and ed., 1919–. *Auth.*: Garden Profits, 1911; The Home Garden, 1917. *Ed.*, Farm Knowledge—The Farmers' Own Cyclopedia, 1918.—*b.* Boston, Mass., Apr. 29, 1888; *s.* Wm. S. and May (Davenport) S.; reared in city and country; *m.* Anne G. Southard, Jan. 17, 1912. B.S.A., Cornell Univ., 1909. Alpha Zeta.

Seymour, James Henry, head dept. agr., State Normal Sch., Valley City, N. D.

Teach. rural schs., 3 yrs.; princ. schs., Irwin, Defiance, Panora, Ia., 1903-9; supt. schs., Pomeroy, Ia., 1910-2; asst. dept. agrl. educ., Ia. State Coll., 1913; asst. dept. agr., State Normal Sch., Valley City, N. D., 1914-6; head dept. agr., 1916–.—*b.* Shelby Co., Ia., Sept. 9, 1877; *s.* Monroe and Carrie B. (Hutzel) S.; reared on farm; *m.* Maud F. Farrell, June 8, 1904; *c.* Allison Jas., Millicent Elizabeth. B.Di., Ia. State Teach. Coll., 1909; B.S., Ia. State Coll., 1915.

Shafer, George D., asst. prof. and research assoc. ent., Exp. Sta., Mich. Agr. Coll., E. Lansing, Mich.

Teach. high-sch. and normal, 1900-5; research asst. and instr. ent., Mich. Agr. Coll., 1908-13; research asst. and asst. prof., 1913-6; research assoc. and sec. com. graduate work, 1916–; absent on indefinite leave, 1917–. *Ed.*, Report Mich. Acad. Sci., 1909-11.—*b.* Muncie, Ind., Dec. 25, 1874; *s.* John Willard and Mary (Howell) S.; reared on farm; *m.* Grace Hoover, Sept. 1912. A.B., Ind. State Univ., 1900; A.M., Leland Stanford Univ., 1906; Ph.D., Cornell Univ., 1908. Sigma Xi.

Shaff, J. Ostrander, farmer, Camanche, Ia.

Mem. 37th Assembly of Ia. (Dairying).—*b.* Camanche, Ia., Jan. 6, 1885; *s.* John H. and Jennie (Drips) S.; reared on farm; *m.* Gladys Melick, Feb. 16, 1909; *c.* Roger J., J. Jr., Jeanne. B.S., Ia. State Coll., 1904; M.S., Univ. Wis., 1908. Phi Kappa Sigma.

Shambaugh, Jessie Field, rural worker, Clarinda, Ia.

Co. supt. schs., Page Co., Ia., 1906–12; nat. rural worker and sec. Y.W.C.A., N. Y. City, 1912–7. *Auth.*: The Corn Lady, 1907; Community Civics, 1915. On editorial staff, The Farmers' Wife. —*b.* Page Co., Ia., June 26, 1881; *d.* S.E. and Celestin (Eastman) Field; reared on farm; *m.* I. W. Shambaugh, June, 1917. A.B., Tabor Coll., Ia., 1903.

Shambaugh, J. J., farmer, Miles City, Mont.

Farmer and stockman, Ia., Mont., 1912–. Pres. Yellowstone Valley Seed Growers Assoc.; pres. Custer Co. Farm and Stock Bur. Mem. bd. dir., State Life Insurance Co., Des Moines, Ia.—*b.* Booneville, Ia., Nov. 20, 1882; *s.* John and Elizabeth (Gutshall) S.; reared on farm; *m.* Laura Withington, Nov. 19, 1913; *c.* Elizabeth Joan. Grad., Yale Univ., 1904.

Shamel, Archibald Dixon, physiologist in chg. fruit improvement invests., U. S. Dept. Agr., Riverside, Calif.

Chg. farm crop dept., Univ. Ill., 1898-1902; chg. tobacco invests., U. S. Dept. Agr., 1902-9; fruit improvement invests., 1909–. Inventor tobacco seed separator, 1904; steam-pan soil sterilizer, 1904; humidifier for storage rooms, 1914; co-inventor, tobacco stalk cutter, 1917. Originator of individual-tree performance-record method, 1910. Organized

Ill. Seed Corn Breeders Assoc., 1898. Developed and introduced method for protecting tobacco seed from cross-pollination under paper bag, 1903; originated and introduced furrow-manure method, 1914. Traveled in Cuba and Porto Rico, 1904, to study tobacco; Brazil, 1914, to study tropical fruits. *Auth.*: Manual of Corn Judging, 1900. —*b.* near Taylorville, Ill., Oct. 15, 1878; *s.* Conrad and Caroline (Alkire) S.; reared on farm; *m.* Agnes F. Brewer, Sept. 25, 1907; *c.* Carol Agnes, Norman A., John D. B.S., Univ. Ill., 1898. Sigma Alpha Epsilon; Alpha Zeta.

Shanahan, John Daniel, Niagara Falls Milling Co., 233 Chamber of Commerce, Buffalo, N. Y.

Grain insp. dept., Buffalo Chamber of Commerce, 1887-98; chief dept., 1898-1906; mem. Wis. Grain and Warehouse Comn., 1905-6; crop technologist in chg. div. grain standardization, U. S. Dept. Agr., 1906-10; in British India investigating oil seeds ind., 1910-1; W. Africa, investigating palm oil industry, 1912-3; grain business, Duluth, Minn., 1914-6; grain expert on headquarters staff, Food Adminis. Grain Coop., New York City, 1917-9; present position, 1920–. (Wheat for milling).—*b.* Buffalo, N. Y., Oct. 24, 1864; *s.* Daniel W. and Mary L. (Ulrich) S.; *m.* Minnie F. Hair, Feb. 1, 1905.

Shantz, Homer LeRoy, bot., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Instr. biol., Colo. Coll., 1901-2; instr. agrl. bot., Univ. Neb., 1903-4; instr. bot., Univ. Mo., 1905-7; prof. bot. and bact., Univ. La., 1908-9; present position, 1909–; special detail to determine natural plant resources and crop producing possibilities of large portions of Africa, for use of Allied Peace Commission, 1917-9; special detail as plant specialist with Smithsonian Inst. African Exped., 1919-20. Fellow A. A. A. S.—*b.* Kent Co., Mich., Jan. 24, 1876; *s.* Abraham K. and Mary E. (Ankney) S.; reared on farm; *m.* Lucia Moore Soper, Dec. 25, 1901; *c.* Homer L. Jr., Benj. Soper. B.Sc., Colo. Coll., 1901; Ph.D., Univ. Neb., 1905. Sigma Xi.

Sharp, Walter Orren, farmer, Harlingen, Tex.

Asst. princ. and teach. agr. and sci., Fayette Co. high-sch., Tenn., 1916-7; co. agrl. agt., Tenn., 1917-20.—*b.* Powell Station, Tenn., May 15, 1892; *s.* John F. and Mary R. (Condray) S.; reared on farm. B.S.A., Univ. Tenn., 1916.

Sharritt, Paul L., co. agrl. agt., Troy, O.

In chg. farm labor dept. employment serv., Dayton, O., under Council Nat. Defense, 1917-8.—*b.* Germantown, O., Jan. 1, 1893; *s.* Aaron and Florence S. (Lambert) S.; reared on farm; *m.* Vergie Gaver, June 4, 1915; *c.* Dean Weston. B.S., Ohio State Univ., 1914.

Shattuck, Charles Houston, specialist in chg. loans on range lands and live-stock, Idaho Falls, Ida.

Instr. physics and chem., Campbell Coll. 1895-8; prof. biol. and geol., vice-pres. and registrar, 1898-1903; prof. nat. hist., Washburn Coll., 1904-8; prof. bot. and for., Clemson Agr. Coll., 1908-9; prof. for., Univ. Ida., 1909-17; dean Coll. Letters and Sci., 1914-7; prof. for., Univ. Calif. and tech. adv. field parties, U. S. Geol. Survey, 1917-9; vice-pres. E. Ida. Loan and Trust Co. and sec. and manag. Mountain States Bldg. and Loan Assoc., 1919-20.—*b.* Vandalia, Mo., Nov. 21, 1867; *s.* Warren Chas. and Matilda Catherine (Houston) S.; reared on farm; *m.* Maud Elizabeth Stackhouse, Aug. 15, 1895. B.S., Campbell Coll., 1894; M.S., 1898; Ph.D., Univ. Chicago, 1908; Biltmore For. Sch., 1908.

Shaw, Alexander Malcolm, prof. an. husb., Univ. Sask., Saskatoon, Sask.

Agrl. agt., Great Northern Ry., St. Paul, Minn., 1910-3; asst. prof. an. husb., Univ. Sask., 1913-5; prof. and chief dept., 1915–; live-stock comnr. for Sask., 1918. Traveled in Europe and Great Britain, 1913, purchasing live-stock for J. J. Hill of St. Paul.—*b.* Woodburn, Ont., June 12, 1885; *s.* Robt. and Annie (Brown) S.; reared on farm; *m.* Winkona Frank, Dec. 28, 1918. B.S.A., Univ. Toronto.

Shaw, Charles Fredrick, prof. soil tech. and chg. soil survey for Calif., Univ. Calif., Berkeley, Calif.

Asst. in soils, Cornell Univ., 1905-6; sci. in soil survey, U. S. Bur. Soils, 1906-12; collaborator soil survey, 1912–; instr. agron., Penn. State Coll., 1907-9; asst. prof., 1909-13; present position, 1913–; consulting engin., U. S. Reclam-

ation Serv., 1919–. Fellow A.A.A.S., Amer. Geographic Soc.; vice-pres. Nat. Drainage Congress, 1920.—*b.* W. Henrietta, N. Y., May 2, 1881; *s.* Fred F. and May A. (Tawalt) S.; reared on farm; *m.* Helen S. Hosterman, June 19, 1909. B.S.A., Cornell Univ., 1906. Alpha Zeta.

Shaw, Fred Clifford, co. agrl. agt., Bennington, Vt.
Farm manag. and teach. agr., Farm and Trades Sch., Thompson's Isl., Boston, 1913-6.—*b.* Sunderland, Vt., Dec. 27, 1889; *s.* Herbert Needham and Helen Elisabeth (Hard) S.; reared on farm and in town; *m.* Helen Gale Wood, Sept. 2, 1916; *c.* Ann Putnam. B.S., Cornell Univ., 1913. Alpha Zeta.

Shaw, Jacob Kingsley, prof. hort., W. Va. Univ., Morgantown, W. Va.
Instr. hort. and chem., Baron de Hirsch Agr. Sch., Woodbine, N. J., 1902-4; asst. bot. and hort., N. J. Exp. Sta., 1904-5; acting asst. prof. hort., Univ. Mo., 1905-6; instr. hort., N. H. A.&M. Coll., 1906-7; asst. hort., Mass. Exp. Sta., 1908-11; research pom., 1911-9; present position, 1919–. Dairy and fruit farmer, Northfield, Vt., 1899-1902. —*b.* Northfield, Vt., Aug. 5, 1877; *s.* Wm. O. and Elisabeth (Kingsley) S.; reared on farm; *m.* Bertha T. Simpson, Aug. 23, 1905; *c.* Doris Elisabeth, Edna Adams, Genevieve Elaine. B.S.A., Univ. Vt., 1899; M.S., Mass. Agr. Coll., 1908; Ph.D., 1911.

Sheap, John Vernon, co. agrl. agt., Jackson, Mich.
Manag. Sheap-Johnson Seed Co., Harrisville, Mich., 1909-10.—*b.* Reading, Mich., Sept. 26, 1884; *s.* Edward J. and Anna M. (Van Neida) S.; reared in town and country; *m.* Grace Louise Harroun, Dec. 17, 1907; *c.* Edward Jay, John Vernon Jr. Student Mich. Agr. Coll., 3 yrs.

Shear, Cornelius Lott, plant path., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.
Fellow A. A. A. S. Pres. Amer. Phytopath. Soc., 1919. Del. to Intern. Congress Bot., Vienna, 1905. Fruitgrower, Vienna, Va., 1907-19. (Small-fruit diseases, taxonomy of the Pyrenomycetes).—*b.* Coeymans Hollow, N.Y., Mar. 26, 1865; *s.* Henry L. and Mary (Speenburgh) S.; reared on farm; *m.* Avis M. Sherwood, Dec. 25, 1890; *c.* Sherwood Wm., Deming Jonas, Mary Beatrice, Geo. Myron, Dorothy Margaret, Cornelius Barrett. B.S., Univ. Neb., 1897; M.A., 1901; Ph.D., Geo. Washington Univ., 1906. Sigma Xi.

Shearer, Merle Henry, co. agrl. agt., Madison, S. D.
Teach. agr. and manual training, Odebolt, Ia., 2 yrs., Madison, S. D., 1 yr.; agt. Lake Co., 1920–. In Radio Serv., U. S. Navy, 10 mos. (Farm crops).—*b.* Moberly, Mo., Mar. 7, 1894; *s.* A. H. and Laura (Mitchell) S.; reared on farm. B.S.A., Univ. Mo., 1916; grad. student, Ia. State Coll., 1919.

Shedd, Claude Kedzie, manag. tractor tests, Univ. Neb., Lincoln, Neb.
Formerly assoc. prof. agrl. engin., Ia. State Coll. Ex-sec.-treas. Amer. Soc. Agrl. Engin. (Farm power).—*b.* Pickrell, Neb., Nov. 27, 1884; *s.* Chas. M. and Nellie M. (Steele) S.; reared on farm; *m.* Mary F. Currier, June 30, 1910; *c.* Adella L., Esther M., Robt. K. B.S.A., Univ. Neb., 1909; B.S. in Agr. Engin., Ia. State Coll., 1914. Sigma Xi; Alpha Zeta.

Shedd, Oliver March, assoc. prof. chem. and research chem. Exp. Sta., Univ. Ky., Lexington, Ky.
Chem., Ky. Exp. Sta., 1902-11; research chem., 1911–. Vice chm., Lexington Sect., Amer. Chem. Soc., 1917, sec., 1920–. Expert in Council of National Defense, 1917–.—*b.* Lexington, Ky., Mar. 8, 1880; *s.* John Riley and Phoebe (Hicks) S.; reared in city; *m.* Carlotta Sharp, Oct. 17, 1906. B.S., Univ. Ky., 1901; M.S., 1904.

Sheets, Earl Wooddell, sr. an. husb. in chg. beef cattle work, Bur. An. Ind., U. S. Dept. Agr., Washington, D. C.
Teach. rural and public schs., 1902-6; instr. agr., W. Va. State Normal Sch., 1911; instr. agr., W. Va. Univ., 1912; asst. dir. agrl. ext. in chg. boys' and girls' clubs, 1912-3; prof. an. husb. and an. husb. Exp. Sta., 1913-8; ext. an. husb. in chg. beef cattle ext. work, U. S. Dept. Agr., 1918-9; present title, 1919–. Sec. Tri-State Sheep Breeders Assoc., 1911-7; sec. W. Va. Live Stock Assoc., 1914-8.

Sec. W. Va. Farmer Co. and assoc. ed. The Farmer, 1906-14.—*b.* Lost Creek, W. Va., Dec. 23, 1886; *s.* Arthur and Annie Jane (Wooddell) S.; reared on farm; *m.* Leda Cordelia Atkeson, Oct. 29, 1912; *c.* Jane Atkeson, Helen Wooddell. B.S.A., W. Va. Univ., 1911; M.S., Univ. Ill., 1914. Sigma Xi.; Kappa Alpha.

Sheets, George Vest, co. agrl. agt., Doniphan, Mo.
Head sci., high-sch., Moberly, Mo., 1913-4; supt. schs., Atlanta, 1914-5. Sec. Ripley Co. Shippers Assoc.; sec.-treas. Ripley Co. Farm Loan Assoc. In U. S. Army, 1917-9; chg. poultry dept., A. E. F. Univ., Beaune, France, 1919. (Poultry).—*b.* Moscow, Mo., Mar. 21, 1889; *s.* M. E. and Ida (Dyer) S.; reared on farm. A.B., Cent. Wesleyan Coll., 1911; B.S., Univ. Mo., 1913, 1917.

Sheffer, Lafayette Miles, prof. agrl. educ., Univ. Ga., Athens, Ga.
Princ. graded sch., Boxville, Ky., 1912; princ. high-sch., Hardinsburg, 1914-5; ext. force, Univ. Ky., summer 1917.—*b.* Morganfield, Ky., Mar. 21, 1888; *s.* N. G. and Anne (Floyd) S.; reared on farm. B.S.A., Univ. Wis., 1917.

Sheldon, John Lewis, prof. bot., W. Va. Univ., Morgantown, W. Va.
Instr., Mt. Hermon Boys' Sch., 1892-4; instr. bot., prep. sch., Univ. Neb., 1898-9; head dept. nat. hist., Neb. State Normal Sch., 1899-1900; instr. agrl. bot., Univ. Neb., 1900-3; prof. bact., W. Va. Univ., 1903-7; prof. bot. and bact., 1907-13; prof. bot., 1913–; plant path., W. Va. Exp. Sta., 1903-7. Fellow A.A.A.S.—*b.* Voluntown, Conn., Nov. 10, 1865; *s.* Samuel H. and Lucy A. (Lewis) S.; reared on farm; *m.* Clara Adams Fleming, Aug. 21, 1907; *c.* Earl Fleming. B.Ped., B.Sc., Ohio Northern Univ., 1895; B.Sc., Univ. Neb., 1899; A.M., 1901; Ph.D., 1903. Sigma Xi; Phi Beta Kappa; Kappa Psi.

Sheldon, Victor Brase, co. agrl. agt., Troy, Mo.
Princ. high-sch., 1914-8.—*b.* Salida, Calif., Apr. 28, 1889; *s.* Marion and Minnie (Hudson) S.; reared on farm; *m.* Winifred Lawrence. B.S., Mo. Wesleyan, 1914.

Shepard, John Berdan, field agt., U. S. Bur. Crop Estimates, Ithaca, N. Y.
Farm manag., N. Y. and Pa., 1907-8; manag. farms, irrig. enterprise and public utility property, San Marcos, Tex., 1909-13; consulting agrst., J. G. White & Co., 1913-4; consulting agrst., 1914-8; present position, 1918–. Sec. Tex. Truck Growers Assoc., 1912.—*b.* Buffalo, N. Y., Oct. 30, 1884; *s.* Walter J. and Mary W. (Berdan) S.; *m.* Mary Bell Churchyard, 1918; *c.* Elizabeth Churchyard. B.S.A., Cornell Univ., 1907; A.B., 1916.

Shepard, Lester, co. agrl. agt., Onawa, Ia.
Teach. rural schs. Sec. Pure Bred Live Stock Assoc. (Agron.).—*b.* Upper Sandusky, O., June 23, 1884; *s.* L. C. and Mary (Trautwein) S.; reared on farm; *m.* Elva V. Akin, June 4, 1919. B.A., Univ. Ia., 1913; B.S.A., Ia. State Coll., 1916.

Shepardson, Charles Noah, ext. an. husb., Univ. Wyo., Laramie, Wyo.
Insp., Colo. State Dairy Comn., May-Sept., 1919; present position, 1919–. Capt. Infantry, U. S. Army, 1917-9; served in France, 15 mos.—*b.* Littleton, Colo., Jan. 7, 1896; *s.* Noah S. and Mary (Chatfield) S.; reared in town; *m.* Nellie V. Trammel, Aug. 19, 1917. B.S., Colo. Agr. Coll., 1917. Alpha Zeta.

Shepherd, Arthur Lewis, co. agrl. agt., Oswego, N. Y.
Manag. Meadowood Farms, Cazenovia, N. Y., 7 yrs. (An. husb., hort.). —*b.* Williamsburg, Ky., Oct. 30, 1887; *s.* Jas. G. and Leiter M. S.; reared on farm; *m.* Bertha Mary Hatmaker, Mar. 22, 1911; *c.* Helen, Ruth, Florence. Student Cornell Univ., Mass. Agr. Coll.

Shepherd, Harry Whitcomb, dir. voc. agr., Union High-Sch., Lodi, Calif.
Orchardist and poultryman, Monrovia, Calif., 1907-14; superv. sch. gardens for 1915 Beautification Com., Los Angeles, 1914-5; instr. agr., Manual Arts High-Sch., Los Angeles, 1915-8; instr. agrl. educ., Univ. Calif., Jan.-Aug., 1919; present position, 1919–. Sec. Arboricultural Assoc. of S. Calif., 1917-8; pres. agrl. sect., S. Calif. Assoc. Arts and Sci., 1917-8. Served in U. S. Army with A. E. F.—*b.* N. Attleboro, Mass., Sept. 8, 1890; *s.* Chas. Pitman

and Alice Elizabeth (Williamson) S.; reared in town; *m.* Elsinore Steinmann, Aug. 12, 1916. B.S., Univ. Calif., 1914. Theta Xi; Alpha Zeta.

Sheppard, Clarence Wesley, farmer, Peculiar, Mo.

Instr. an. husb., Univ. Mo., 1917. From private to Capt. Infantry, U. S. Army, 1917-8. (Live-stock, especially Poland-China hogs).—*b.* Kenoma, Mo., Jan. 9, 1891; *s.* Robt. T. and Sarah E. (McMannis) S.; reared on farm. B.S.A., Univ. Mo., 1916. Gamma Sigma Delta.

Shepperd, John H., agrst. and vice-dir. N. D. Exp. Sta., Agricultural College, N. D.

Prof. agr., N. D. Agr. Coll., 1893-1904; dean and prof. agr., 1904-15; agrst., N. D. Exp. Sta., 1893-1905; agrst. and vice-dir., 1905–. Pres. farmers inst. bd., 1900-15. *Auth.*: (with McDowell) Elements of Agriculture, 1906. On staff Orange Judd Farmer, 1892-3. —*b.* Chariton, Ia., Jan. 12, 1869; *s.* John W. and Clerenda Jane (Sanderson) S.; reared on farm; *m.* Adele Francis Taylor, July 3, 1895. B.S., Ia. State Coll., 1891; M.S.A., Univ. Wis., 1893.

Sherard, Samuel Hodges, dairy specialist, Clemson Agr. Coll., Clemson College, S. C.

Adj. prof. biol., Junior Coll., Univ. Philippines, 1908-9; expert trop. agr., Bur. Agr., Manila, 1909-13; supt. dem. and breeding sta., P. I., 1912-3; agt. Washington Co., Ga., 1914-8. Studied agrl. conditions in Europe, Mexico, Japan, China, Philippines, Palestine, Egypt, 1911.—*b.* Laurens, S. C., Sept. 18, 1886; *s.* Wm. Yancey and Annie Francis (Halloway) S.; reared in town and on farm; *m.* Lewise Lipscomb, Aug. 29, 1911; *c.* Ann, Talulah. B.S.C., Clemson Agr. Coll., 1908; D.V.S., London, Ont., 1916.

Sherbakoff, Constantine Dmitriev, assoc. plant path., Fla. Exp. Sta., Gainesville, Fla.

Present position, 1914–.—*b.* Russia, May 24, 1878 (naturalized 1918); *s.* Dmitry Ivanon and Anna A. (Stolarov) S.; reared on farm; *m.* May Gibson, Nov. 1916. B.S.A., Cornell Univ., 1911; Ph.D., 1915.

Sherley, John Adolph, manag. Eastern States Agrl. and Ind. League, 292 Worthington St., Springfield, Mass.

Sec. Eastern States Farmers Exchange; clerk New England Fruitgrowers Exchange.—*b.* Fontinell, Ia., May 30, 1875; *s.* Gottliebe and Mary (Sutter) S.; reared on farm and in town; *m.* Anstice Newton, 1906; *c.* Ella Augusta, John Newton, Warren Eugene. B.A., Oberlin Coll., 1901; B.D., Yale Divinity Sch., 1906.

Sherman, Caroline Baldwin, ed. and librarian, Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Librarian, N. C. A.&M. Coll., 1903-7; librarian, Dairy Div., U. S. Dept. Agr., 1907-13; present position, 1913–.—*b.* Ash Grove, Va.; *d.* Franklin and Caroline (Alvord) S.; reared on farm; student Geo. Washington Univ., 1901-3.

Sherman, Edward Augustine, asst. for., U. S. For. Serv., Washington, D. C.

Ed. and pub., 1896-1903; ed. Ft. Dodge, Ia., Post, 1899; Ravalli Co., Mont., Democrat, 1900; ed. and proprietor Ravalli Republican, Hamilton, Mont., 1901-3; from for. superv., Bitterroot For. Serv., Mont., to asst. for., U. S. For. Serv., 1903–, having chg. all work involving land uses and titles. Mem. Nat. Geographic Bd. Served in Spanish-Amer. War. (Classification of land).—*b.* Humboldt Co., Ia., Mar. 5, 1871; *s.* Edward and Sarah (White) S.; reared on farm; *m.* Eleanor Elizabeth Owen, June 14, 1905. B.Sc., Ia. State Coll., 1896; admitted to Bar of Utah. Phi Kappa Phi.

Sherman, Franklin, chief in ent., N. C. Exp. Sta., Raleigh, N. C.

Instr. ent., N. C. A.&M. Coll., 1902-4; prof. ent. and zool., Ont. Agr. Coll., 1905-6; present position, 1906–. Former pres. Nat. Assoc. Hort. Insp.; N. C. State Acad. Sci.; N. C. State Beekeepers Assoc.; sect. on apiculture, Amer. Assoc. Econ. Ent.—*b.* Fairfax Co., Va., Nov. 2, 1877; *s.* Franklin and Caroline M. C. (Alvord) S.; reared on farm; *m.* Grace Berry, May 12, 1903; *c.* Franklin, Dallas Berry, Joseph Edgar. B.S.A., Cornell Univ., 1900; M.S. (hon.), Md. Agr. Coll., 1912.

A

Sherman, James Morgan, bact., Bur. An. Ind., U. S. Dept. Agr., Washington, D. C.

Instr. bact., Univ. Wis., 1912-4; asst. prof. bact., Penn. State Coll., 1914-7; present position, 1917-.—*b.* Ash Grove, Va., May 6, 1890; *s.* Franklin and Caroline (Alvord) S.; reared on farm; *m.* Gertrude Hendricks, Aug. 3, 1916 (d. 1918); *c.* Gertrude Hendricks. B.S., N. C. A.&M. Coll., 1911; M.S., Univ. Wis., 1912; Ph.D., 1916. Kappa Sigma; Alpha Zeta; Gamma Alpha.

Sherman, Wells Alvord, specialist in chg. fruit and veg. div., Bur. Markets, U. S. Dept. Agr., Washington, D. C.

State statistical agt., U. S. Dept. Agr. for Va. and W. Va., 1895-1900; sci. asst. in statistics, U. S. Dept. Agr., 1900-3; examiner in agr., U. S. Civil Serv. Comn., 1903-10; sci. asst. cotton handling and marketing, Bur. Plant Ind., U. S. Dept. Agr., 1912; asst. in market surveys, Off. Markets, U. S. Dept. Agr., 1913; specialist in market surveys, Bur. Markets; 1914-9; present title, 1919-. Specialist in chg. domestic wool sect., War Industries Bd., 1919-; chg. market news serv. fruits and vegetables; asst. in organizing div. of perishables, U. S. Food Adminis.—*b.* Ash Grove, Va., July 19, 1868; *s.* Franklin and Caroline M. C. (Alvord) S.; reared on farm; *m.* Elsie M. Besley, May 23, 1895; *c.* Caroline Elizabeth, Mary Collins, Elsie Besley, Martha Thatcher, Wells A. Jr., Grace Whitney. Grad. Greylock Inst., S. Williamstown, Mass., 1887.

Sherrard, Herman Henry, co. agrl. agt., hort. comnr. and insp. apiaries, Sonora, Calif.

Instr. agr., high-sch., Lyons, Kans., 1914-6; Manhattan, 1916-8; present position, 1919-. From private to 1st Lieut. Field Artillery, U. S. Army, 1918-9. (Agron., hort.).—*b.* Winfield, Kans., Feb. 27, 1891; *s.* David S. and Anne (Lippincott) S.; reared on farm. B.S.A., Kans. State Agr. Coll.,1914.

Sherrill, Owen Wade, co. agrl. agt., Georgetown, Tex.

Farmer, 7 yrs.; agt. Williamson Co., 1917-.—*b.* Kerens, Tex., Feb. 11, 1889; *s.* Chas. and Onie (Owen) S.; reared on farm; *m.* Edith Falley, June 18, 1913; *c.* Owen W. Jr. B.S., Tex. A.&M. Coll., 1910.

Sherwin, Melvin Ernest, prof. soils, N. C. State Coll., W. Raleigh, N. C.

Student asst. agron., Univ. Mo., 1906-8; asst. cereal invests., Univ. Calif., 1908-9; asst. prof. agron., Univ. Me., 1909-10; present position, 1910-. Pres. N. C. Drainage Assoc. (Effect of fertilizers on germination and seedling growth).—*b.* DeSmet, S. D., July 17, 1881; *s.* S. O. and Mary Adelaide (Shedd) S.; reared on farm; *m.* Edith Dodson, 1908; *c.* Edith Evelyn, Mary Ernestine, Dorothy Chase, Sidney Thos. B.S.A., Univ. Mo., 1908; M.S., Univ. Calif., 1909. Alpha Zeta.

Sherwood, Ross M., poultry husb., Tex. Exp. Sta., College Station, Tex.

Asst. poultry husb., Ohio Exp. Sta., 1910-2; instr. to assoc. prof., Ia. State Coll., 1912-4; ext. specialist, Kans. State Agr. Coll., 1914-9; prof. in chg. poultry dept., 1916-7; present position, 1919-. Sec. poultry com., State Council for Defense.—*b.* Shabbona, Ill., Apr. 16, 1886; *s.* S. H. and Ida M. (Van Velzor) S.; reared on farm; *m.* Ida L. Spencer, July 26, 1911; *c.* Robt. S. B.S., Ia. State Coll., 1910. Gamma Sigma Delta.

Shields, Richmond Lee, prof. agr., Peabody Coll. for Teachers, Nashville, Tenn.

Formerly prof. an. husb., Clemson Agr. Coll.—*b.* Watkins, O., Feb. 8, 1878; *s.* Thos. Pride and Elizabeth Jane (Ford) S.; reared on farm; *m.* Edna Louise Duncan, May 8, 1902; *c.* Elisabeth Duncan, Virginia Vaden, Alfreda Watkins, Frances Richmond. B.S.A., Ohio State Univ., 1907. Delta Tau Delta.

Shields, Thomas Alden, farmer, Hackettstown, N. J.

Mem. bd. dirs., N. J. Lumbermens Assoc.; mem. bd. trustees, N. J. Swine Growers Assoc. In engineering dept., Penn. R. R., 2 yrs. Mem. N. J. State Assembly. (Tamworth swine).—*b.* Hackettstown, N. J., Sept. 22, 1885; *s.* Jacob A. and Emma (Ayers) S.; reared in town; *m.* Irene Hernandez Gardner, June 19, 1907. C. E., Lafayette Coll., Easton, Pa. Delta Upsilon.

Shinn, Charles Howard, for. examiner, U. S. Bur. For., Northfork, Calif.

Staff San Francisco Bulletin, 1877-9; Calif. Horticulturist, 1879-80; insp. exp. stas., Univ. Calif., 1890-2; with U. S.

Bur. For., 1902–; head for. ranger, Sierras, 1903-4; for. superv., 1904-10; for. examiner, 1910–. First sec. State Hort. Soc. of Calif., 1880-2. Book reviewer for several Calif. newspapers. *Auth.*: Pacific Rural Handbook, 1879; Land Laws of Mining Districts, 1884; Mining Camps, 1885; Cooperation on the Pacific Coast, 1888; Story of a Mine, 1897; Intensive Horticulture in California, 1901; Recent Outdoor Literature, 1901.—*b.* Austin, Tex., Apr. 29, 1852; *s.* Jas. and Lucy Ellen (Clark) S.; reared on farm; *m.* Julia C. Tyler, July 31, 1888; *c.* Ruth Wetmore (Mrs. Chas. Kasch). Educ. Univ. Calif. and Johns Hopkins Univ.

Shinn, James R., co. agrl. agt. and dir. ext. serv., Spokane, Wash.

Asst. pom., Ill. Exp. Sta., 1904-7; prof. hort., Univ. Ida., 1907-9; agt. Spokane Co., Wash., 1913–. Sec. Ida. State Hort. Assoc., 1909-10.—*b.* Mattoon, Ill., May 22, 1880; *s.* Geo. B. and Cornelia M. (Ricketts) S.; reared on farm; *m.* Edna M. Cassevens; *c.* Esther, Ben, Frances. B.S., Univ. Ill., 1904. Sigma Xi.

Shoemaker, Henry Reese, instr. voc. agr., high-sch., Middletown, Md.

Acting sec. Md. State Grange, 1917. In U. S. Army, 16 mos.; served with A. E. F.—*b.* Ashton, Md., July 2, 1895; *s.* Jas. Janney and Helen (Reese) S.; reared on farm. B.S., Md. State Coll., 1917. Sigma Phi Sigma.

Shoemaker, Henry Wharton, newspaper publisher, "Restless Oaks", McElhattan, Pa.

Stockman and farmer, breeder trotting, Hackney and thoroughbred horses. With C. H. & D. Ry., Cincinnati, O. and N. Y., 1900-3; sec. Amer. Legation, Lisbon, Portugal, 1903-4; asst. sec. Amer. Legation, Berlin, 1904-5; mem. N. Y. Stock Exchange, 1905-11. Mem. Pa. State For. Comn., 1918–; pres. Pa. Alpine Club, 1917–. Lieut.-Col. Pa. Nat. Guard, 1915-9; rep. Pa. Nat. Guard in Europe to study anti-aircraft defenses, 1918. Studied for. conditions in Europe and N. Africa. *Auth.* and compiler, Indian legends of Cent. Pa., 10 vols., 1907-20. (For. conservation as related to agr.).—*b.* N. Y. City, Feb. 24, 1881; *s.* Henry Francis and Blanche (Quiggle) S.; reared in city and country; *m.* Beatrice Barclay, June 12, 1907; 2d, Mabelle R. Ord, May 10, 1913; *c.* Henry Francis. Student Columbia Univ.; Litt.D., Juniata Coll., Huntingdon, Pa., 1917. Phi Beta Kappa; Sigma Chi; Theta Nu Epsilon.

Shoesmith, Vernon M., farmer and real estate, E. Lansing, Mich.

Asst. and asst. prof., Kans. State Agr. Coll., 1901-6; agron., Md. Exp. Sta., 1907-8; assoc. prof. agron., Ohio State Univ., 1908-10; prof. farm crops, Mich. Agr. Coll., 1910-7; gen. manag. The Jennings Farm, Bailey, Mich., 1917-9. Sec.-treas. Mich. Exp. Assoc. *Auth.*: The Study of Corn, 1913.—*b.* Leslie, Mich., Dec. 27, 1876; *s.* Geo. B. and Louisa A. (Cummins) S.; reared on farm; *m.* Elsie M. Morrison, Dec. 23, 1903; *c.* Margaret, Dorothy, Helen. B.S., Mich. Agr. Coll., 1901.

Shoffner, Charles Pennypacker, assoc. ed. The Farm Journal, Philadelphia, Pa.

Sec. The Liberty Bell Bird Club. Former ed., The Country Boy.—*b.* Norristown, Pa., Nov. 14, 1868; *s.* John and Jean (Boyle) S.; reared in town and on farm; *m.* Katherine H. Stallman, Oct. 10, 1891; *c.* Edith K. (Mrs. J. W. Clokey). Studied Spring Garden Inst. Art Sch., 3 yrs.

Shofner, Austin Williams, co. agrl. agt., Pulaski, Tenn.

Teach. sci. and agr., high-sch., Tyner, Tenn., 1909-17.—*b.* Shelbyville, Tenn., July 13, 1888; *s.* Monroe and Mattie (Williams) S.; reared on farm; *m.* Rachel Conner, Sept. 6, 1911; *c.* Emory, Austin Jr. L. I., Peabody Teachers Coll., 1907; B.S.A., Univ. Tenn., 1909. Phi Kappa Phi.

Shollenberger, Joseph Heilman, grain superv. in chg. milling invests., Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Asst. in grain standardization, U. S. Dept. Agr., Kansas City, 1913-7; present position, 1918–. Vice-pres. Nat. Assoc. of Milling and Baking Tech. (Flour milling, grain grading).—*b.* Hepburnville, Pa., Dec. 8, 1888; *s.* Wm. Lewis and Ida May (Heilman) S.; reared in village; *m.* Edith Delle Hevner,

Nov. 23, 1915; *c.* Lewis Winbert, Joseph H. Jr. B.S., Penn. State Coll., 1913.

Short, Albert Ked, ext. agron., Tex. A.&M. Coll., College Station, Tex.
Breeder pure-bred Hereford cattle, 1901-9; asst. an. path. and bact., Univ. Ark., 1907-9; prof. an. husb., 1909-10; pres. 2d Distr. Agrl. Sch., Russellville, Ark., 1910-1; supt. Exp. Sta., Temple, Tex., 1912-6; agrl. agt., F. W. & D. C. Ry., 1916-8; present position, 1918-. —*b.* Roanoke, Tex., May 5, 1878; *s.* G. W. and M. R. (Phipps) S.; reared on ranch; *m.* Middie Helm, May 29, 1901; *c.* Flora Violet, Marjorie Frances. B.S.A., Tex. A.&M. Coll., 1900; grad. student, Ia. State Coll., 1911-2.

Shorthill, J. W., dir. and sec. Neb. Farmers Coop. Grain and Live-Stock Assoc., Securities Bldg., Omaha, Neb.
Farmer, Kans., until 1902.—*b.* Kans., 1871; *s.* John A. and Mildred (Ridenour) S.; reared on farm; *m.* Hattie V. Murphy, 1892; *c.* Ray, Lucile, Alan.

Shumway, Chester Raymond, co. agrl. agt., Ravenna, O.
Farm manag., Boone Co., Neb., 1911-2; dir. agrl. dept., Mankato high-sch., Minn., 1912-7; agt. Portage Co., O., 1917-.—*b.* Marshall Co., Ia., May 20, 1884; *s.* Howard Haywood and Anna M. (Roberts) S.; reared on farm; *m.* Ethel McDonald, June 20, 1912; *c.* Margaret Eloise. B.S., Ia. State Coll., 1911. Delta Sigma Rho; Gamma Sigma Delta.

Shutt, Frank Thomas, Dominion chem. and asst. dir., Expl. Farms, Ottawa, Ont.
Fellow in chem., Univ. Toronto, 1885-7; present position, 1887-. Fellow, Inst. of Chem., England, Chem. Soc., England, Chem. Soc., Amer., Soc. Chem. Ind., England, Royal Soc. of Canada. Pres. chem. and physics sect., Royal Soc. of Canada, 1916-7. British judge of cereals, World's Fair, Chicago, 1893.—*b.* London, England, Sept. 15, 1859; *s.* Wm. Denis and Charlotte (Cawthorn) S.; reared in city. B.A., Univ. Toronto, 1885; M.A., 1886; D.Sc., 1914.

Siegler, Edouard Horace, ent. asst., Bur. Ent., U. S. Dept. Agr., Washington, D. C.
(Deciduous fruit insects).—*b.* Philadelphia, Pa., Aug. 29, 1888; *s.* Franklin and C. Estelle (Lanneau) S.; reared in city. B.S., Penn. State Coll., 1911. Sigma Nu; Delta Theta Sigma.

Siegler, Eugene Alfred, sci. asst. fruit disease invests., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.
Sci. asst. fruit disease invests., 1916-8, 1920-; exp. path., Penn. State Coll., 1919.—*b.* Philadelphia, Pa., July 28, 1891; *s.* Franklin and C. Estelle (Lanneau) S.; reared in city. B.S., Penn. State Coll., 1915; M.S., 1918. Sigma Nu.

Sieglinger, John Beardsley, asst. agrst., U. S. Dept. Agr., Exp. Sta., Woodward, Okla.
(Grain sorghum and broom corn).—*b.* Newton, Kans., Aug. 24, 1893; *s.* Fred and Hannah (Beardsley) S.; reared on farm; *m.* Helen M. Knox, Mar. 1, 1916; *c.* John Harris. B.S., Okla. A.&M. Coll., 1913; M. S. A., Kans. State Agr. Coll., 1915.

Sievers, Frederick John, prof. soils and soil physicist Exp. Sta., Wash. State Coll., Pullman, Wash.
Instr. soils, Univ. Wis., 1910-2; agron., Milwaukee Co. Sch. Agr., 1912-3; supt., 1913-7; present position, 1917-. Mem. exec. com., Intern. Farm Congress.—*b.* Milwaukee Co., Wis., Oct. 1, 1880; *s.* Wm. and Elizabeth (Oelhafen) S.; reared on farm; *m.* Emma C. Behnke, June 12, 1906; *c.* Jeanette, Howard, Frederick. B.S.A., Univ. Wis., 1910. Alpha Zeta; Gamma Phi.

Simmons, George Edward, prof. agron. and farm manag., Univ. Me., Orono, Me.
Instr. and registrar, Ohio Northern Univ., 1902-7; dir. ext., Univ. Me., 1909-10; head dept. agron. and farm manag., 1910-. Superv. educ. and farm training, U. S. Boys' Working Reserve, 1917-8. Mem. exec. com., New England Branch, Amer. Agron. Assoc.—*b.* Greenfield, O., Feb. 9, 1870; *s.* Oliver Harbour and Alice Charlotte (Burgelt) S.; reared on farm; *m.* Mollie Rees. B.S., Ohio Northern Univ., 1902; M.S., 1905; B.S., Ohio State Univ., 1909.

Simms, Bennett Thomas, prof. vet. med., Ore. Agr. Coll. and vet. Exp. Sta., Corvallis, Ore.
Instr. physiology and path., N. C. A.&M. Coll., 1911-3; present position,

1913–. Sec. Ore. Vet. Med. Assoc'—*b.* Ramsey, Ala., Jan. 26, 1888; *s.* John Thos. and N. Epes (Thomas) S.; reared on farm. D.V.M., Ala. Poly. Inst., 1911. Alpha Zeta; Gamma Sigma Delta; Alpha Psi.

Simonds, Ossian Cole, lands. gard., 1101 Buena Ave., Chicago, Ill.

In architects off., 2 yrs.; with Holabird, Simonds and Roche, Architects, 3 yrs. Pres. Amer. Assoc. Cemetery Supts., 2 yrs.; pres. Amer. Soc. Lands. Architects, 1 yr. Traveled in Europe. *Auth.*: Landscape Gardening, 1920.—*b.* Grand Rapids, Mich., Nov. 11, 1855; *s.* Joel A. and Harriett (Garfield) S.; reared on farm; *m.* Martha E. Rumsey, May 12, 1881; *c.* Gertrude E., Herbert Rumsey, Marshall Garfield, Donald Rumsey, Robt. Ossian. C.E., Univ. Mich., 1878. Delta Upsilon.

Simons, Lloyd Rhoderick, agrst., States Relations Serv., U. S. Dept. Agr., Washington, D. C.

Chg. agrl. dept., high-sch., Gowanda, N.Y., 1911-4; agt. Nassau Co., N. Y., 1914-6; present position, 1916–. (Farm bur. organization).—*b.* Sardinia, N. Y., Nov. 8, 1886; *s.* Julian S. and Alice A. (Bigelow) S.; reared on farm; *m.* Lucy Ada Phelps, Dec. 27, 1914; *c.* Howard Julian. B.S.A., Cornell Univ., 1911.

Simonson, Helen E., home dem. agt., Iron Mountain, Mich.

Instr. home econ., Escanaba, Mich., 1911-3; superv., 1913-7; instr. home econ., Detroit, 1917-8; home dem. agt. Dickinson Co., 1918–. Grad. Stout Inst., Menomonie, Wis.

Simpson, Harry Herman, co. agrl. agt., Longmont, Colo.

With Bur. An. Ind., U. S. Dept. Agr., June-Dec., 1907; prof. an. husb., N. Mex. A.&M. Coll., 1907-14; co. agt., 1914–.—*b.* Knoxville, Ia., Oct. 14, 1882; *s.* Geo. and Caroline (Miller) S.; reared on farm; *m.* Elizabeth Oliver, July 27, 1910; *c.* Stephen, Harry H., John Carl. B.S.A., Ia. State Coll., 1907. Delta Theta Sigma.

Simpson, Otto Gerald, asst. prof. dairy manufactures, Ore. Agr. Coll., Corvallis, Ore.

Asst. chem., Ore. Exp. Sta., 1906-9; instr. dairying, Ore. Agr. Coll., 1909-13; asst. prof., 1913–. Sec. Western Dairy Instrs. Assoc., 1916.—*b.* Airlie, Ore., July 15, 1885; *s.* I. M. and Tabitha (Morrison) S.; reared on farm; *m.* Adah McDonald, Oct. 25, 1907; *c.* Donald G., Paul B. B.S.A., Ore. Agr. Coll., 1905. Gamma Sigma Delta.

Sims, John W., teach. agr., high-sch., Hillsdale, Mich.

b. Adams Co., Ind., July 6, 1889; *s.* Jas. A. and Mary C. (Tyndall) S.; reared on farm; *m.* Jessie C. Brugger, 1915. B.S., Mich. Agr. Coll. Alpha Zeta.

Sims, Newell LeRoy, prof. sociol. and political sci., Univ. Fla., Gainesville, Fla.

Ordained Christian minister, Aug., 1904; pastor rural church, Brown Co., O., 1903-5; Carthage, Mo., 1905-8; pastor, Cincinnati, O., 1909-10; pastor community church, Scarsdale, Westchester Co., N. Y., 1911-3; pastor Grandview Heights Congregational Church, Columbus, O., 1913-4; present position, 1914–. Adv. on rural organization, Gulf Div., Amer. Red Cross. *Auth.*: A Hoosier Village, 1912; Ultimate Democracy and Its Making, 1917; The Rural Community, Ancient and Modern, 1920. (Rural sociol.).—*b.* Jamestown, Ind., Dec. 3, 1878; *s.* Chas. N. and Elizabeth (McClew) S.; reared on farm; *m.* Florence Anna McNutt. A.B., Tri State Coll., 1901; A.B., Univ. Ky., 1905; A.M., Columbia Univ., 1910; Ph.D., 1912; grad. Union Theol. Sem., 1912.

Sink, Stanley Ben, co. agrl. agt., Valparaiso, Ind.

Instr. agron., Univ. Me., 1915-7; asst. prof., 1917. *Auth.*: Laboratory Exercises in Soil Physics, 1917. *Ed.*, Porter Co. Farmers Assoc. News.—*b.* Wharton, O., Nov. 4, 1889; *s.* E. M. and Amelia (Pickett) S.; reared on farm; *m.* Mable Van Buren, Dec. 25, 1916. B.S.A., Ohio State Univ., 1915.

Sirrine, Frank Atwood, farmer and special agt., N. Y. Agr. Exp. Sta., Riverhead, N. Y.

Asst. bot., Ia. Exp. Sta., 1890; asst. ent. and zool., Ia. State Coll., 1891-4; ent., N. Y. Agr. Exp. Sta., 1894-1902; farmer, L. I., 1902–.—*b.* Newark, Ill., Nov. 22, 1861; *s.* Jacob and Mary L. (Myers) S.; reared on farm; *m.* Lillian L. Smith, June 1, 1899; 2d Christine

Ross Mostow, Sept. 21, 1917; *c.* Dorothy Van Tassell, Henry Alanson, Robt. McDarrow, Frank A. Jr. B.S., Ia. State Coll., 1891; M.S., 1893.

Sisler, Ray L., co. agrl. agt., Two Harbors, Minn.
Manag. dairy farm, Grand Rapids, Minn., 1914-8.—*b.* Princeton, Ill., Aug. 16, 1890; *s.* Alvah Mason and Adelaide (Downing) S.; reared on farm; *m.* Bessie D. Kelly, Oct. 21, 1915; *c.* Lois, Robt., Helen. B.S., Univ. Minn., 1914. Alpha Zeta.

Sisson, George Wing Jr., farmer and paper manufacturer, Potsdam, N. Y.
Pres. Racquette River Paper Co., Potsdam; pres. Amer. Paper and Pulp Assoc., 1918-20. Pres. N. Y. State Breeders Assoc., 1908-11; pres. N. Y. State Agrl. Soc., 1911-3; pres. N. N. Y. Development League, 1916-9; dir. Amer. Jersey Cattle Club.—*b.* Glens Falls, N. Y., Sept. 12, 1862; *s.* Geo. W. and Sarah Ann (Hamilton) S.; reared in town and country; *m.* Mary Howes, Oct. 26, 1887; *c.* Marion G. (Mrs. F. B. Weed), Stanley H., Geo. W. Grad. Potsdam State Normal Sch., 1881.

Sisson, Septimus, prof. comp. anat., Ohio State Univ., Columbus, O.
Dem. of anat., Ont. Vet. Coll., 1891-9; prof. zool. and vet. sci., Kans. State Agr. Coll., 1899-1901; present position, 1901-. Fellow A. A. A. S. *Auth.*: A Text-Book of Veterinary Anatomy, 1910; A Veterinary Dissection Guide, 1911; The Anatomy of the Domestic Animals, 1914. *Translator:* Ellenberger, Baum und Dittrich's Anatomie der Tiere fur Kunstler, 1906.—*b.* Gateshead, England, Oct. 2, 1865; *s.* Geo. and Mary (Arnott) S.; reared in town and country; *m.* Katherine Oldham, Oct. 12, 1892. S.B., Univ. Chicago, 1898; V.S., Ont. Vet. Coll., 1891; Univ. Berlin, 1905-6. Sigma Xi.

Sjogren, Oscar Warner, prof. agrl. engin., Univ. Neb., Lincoln, Neb.
Instr. forge work, Univ. Neb., 1909-12; instr. drainage and irrig., 1914-5; present position, 1915-.—*b.* Hildreth, Neb., Aug. 15, 1887; *s.* C. J. and Ida (Johnson) S.; reared on farm; *m.* Alfreda Engdahl, Sept. 1916; *c.* Eunice Lorene, Verner Engdahl. B.Sc., Univ. Neb., 1915. Sigma Xi.

Skeels, Homer Collar, bot., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.
(Identification econ. foreign seeds).—*b.* Grand Rapids, Mich., July 31, 1873; *s.* Dorr and Anna (Stilwell) S.; reared in city; *m.* Jennie Shaddick, July 31, 1901; *c.* Alice Anna. B.S., Mich. Agr. Coll., 1898.

Skidmore, Henry Marvin, superv. agrl. educ., State House, Olympia, Wash.
Wheat farmer, E. Wash., 1895-1907; head teach. training, Wash. State Coll., 1918-9; present position, 1919-.—*b.* Hartsell, Ala., Jan. 11, 1880; *s.* Robt. Allison and Susan Elizabeth (Lassiter) S.; reared on farm; Mary K. Emerson, June 17, 1911; *c.* Mary Elizabeth. A.B., Wash. State Coll., 1917; B.S.A., 1918. Alpha Beta; Alpha Zeta; Delta Sigma Rho.

Skillman, Willis Rowland, co. superv. voc. educ., Carlisle, Pa.
Superv. agr., Honey Brook Voc. Sch., Pa., 1916-7; dir. and superv. agr., Centerville Voc. Sch., W. Brownsville, Pa., 1919-20; present position, 1920-. Served in U. S. Army, 1917-9. *Auth.*: "The A. E. F.", 1920.—*b.* Philadelphia, Pa., July 10, 1891; *s.* Willis B. and Annie (Gayley) S.; reared in city and country. B.S., Penn. State Coll., 1916. Alpha Zeta; Delta Sigma Rho.

Skinner, Edna L., prof. and dir. home econ., Mass. Agr. Coll., Amherst, Mass.
Instr., Teach. Coll., Columbia Univ., 1908-12; dir. household sci., Jas. Milliken Univ., Decatur, Ill., 1912-7; instr., Univ. Calif., summer 1915-6; present position, 1919-.—*b.* Kalamazoo, Mich.; *d.* Jarvis H. and Annette (Hackley) S.; reared on farm. B.S., Columbia Univ., 1908.

Skinner, John Harrison, dean Sch. Agr. and chief an. husb., Purdue Univ., La-Fayette, Ind.
Farm manag., 1897-9; asst. agrst., Purdue Exp. Sta., 1899-1901; instr., Univ. Ill., 1901-2; head dept. an. husb., Purdue Univ., 1902-7; dean Sch. Agr., 1907-.—*b.* Romney, Ind., Mar. 10, 1874; *s.* Wm. H. and Mary (Alexander) S.; reared on farm; *m.* Mary Edna Throckmorton, Sept. 3, 1903; *c.* John H. Jr., Mary E., Wm. E., Robt. E. B.S.A., Purdue Univ., 1897. Sigma Xi.

Skinner, Lee Bronson, fruit-grower, Dunedin, Fla.

Mem. exec. com., State Council Defense.—*b.* Watertown, Wis., Jan. 27, 1861; *s.* Calvin B. and Frances M. (Lee) S.; reared in town; *m.* Mary E. Bruce; *c.* Elizabeth, Bronson C., Robt E., Francis L. Studied Northwestern Univ., Watertown, Wis.

Skinner, Lewellyn Terry, sec. agrl. ext. serv., Univ. Neb., Lincoln, Neb.

Asst. state leader boys' and girls' club work, Univ. Neb., 1914-6; state club leader, 1916-7; sec. ext. serv., 1917-.—*b.* Warrentown, Va., Feb. 26, 1886; *s.* John Thos. and Luella (Francis) S.; reared on farm and in town; *m.* Winnifred Bennison, Feb. 10, 1916; *c.* Barbara Belle. B.Sc., Univ. Neb., 1914. Sigma Xi; Alpha Zeta; Gamma Sigma Delta.

Skrivseth, Clarence J., co. agrl. agt., Carlton, Minn.

Formerly dir. and instr. agr., high-sch., Eveleth, Minn. In U. S. Army, 18 mos.; served with A. E. F. (Agron., farm manag.).—*b.* Buxton, N. D., Mar. 11, 1891; *s.* Thore L. and Anna (Sletmoen) S.; reared on farm; *m.* Esther M. Tennstrom, Oct. 8, 1919. B.S., Univ. Minn., 1916. Alpha Gamma Rho; Gamma Sigma Delta.

Slade, D. D., specialist in poultry ext., Univ. Ky., Lexington, Ky.

General farmer, 1902-10; poultry farmer, 1910-2; present position, 1912-.—*b.* Lexington, Ky., June 18, 1879; *s.* Jas. T. and Bettie H. (Newberry) S.; reared in city; *m.* Sarah Hulett, Feb. 24, 1902. Grad. Univ. Ky., 1899.

Sladen, F. W. L., apiarist, Dominion Expl. Farms, Ottawa, Ont.

Auth.: Queen-Rearing in England, 1904; The Humble Bee, 1912; Bees and How to Keep Them, 1916. Traveled in India, 1895.—*b.* London, England, May 30, 1876; *s.* J. and Lady Sarah (Lambart) S.; reared on farm; *m.* Violet Barton, 1902; *c.* Chas. D., Rudolph, Rosalie.

Slate, William L. Jr., prof. agron. and agron. Exp. Sta., Conn. Agr. Coll., Storrs, Conn.

Asst. agron., N. H. Exp. Sta., 1909-11; assoc. prof. agron., Univ. Me., 1911-*3; present position,* 1913-. Pres. New England sect., Amer. Soc. Agron.—*b.* Norwalk, O., Jan. 15, 1884; *s.* Wm. L. and Orpha F. (Norris) S.; reared on farm and in city; *m.* Edna E. Jackson, June 16, 1915. B.S.A., Ohio State Univ., 1909. Alpha Gamma Rho.

Slaughter, John Marion, co. agrl. agt., Tarkio, Mo.

Farmer, Mo., 1912-7; emergency co. agt., 1917; agt. Buchanan Co., 1918-. Sergeant U. S. Army, 5 mos. (Dairy husb.).—*b.* Raytown, Mo., July 2, 1890; *s.* O. V. and Elizabeth M. (Havron) S.; reared on farm; *m.* Lora Lucile Scott, Sept. 20, 1919. Grad. Univ. Mo., 1912. Delta Theta Sigma.

Slauson, Edward Marvin, co. agrl. agt., Williamsburg, Va.

Dairy farmer, Ia., 7 yrs., Va., 13 yrs. Manag. Va. Peninsula Produce Exchange, 1911-4; manag. and sec., Williamsburg Coop. Creamery, 1911-7.—*b.* Hopkinton, Ia., May 25, 1872; *s.* F.D. and Alice S.; reared on farm; *m.* Lura Littlefield, Dec., 1896; *c.* Jesse F., Donald D., Vernon H., Lela Blanch. Student Lenox Coll., Hopkinton, Ia., 2 yrs.

Sleeth, Earle Campbell, co. agrl. agt., Jefferson, O.

Instr. agr. and sci., Stanton Coll., Stanton, Ky., 1914-5; instr. agrl. chem. and soils, Ohio State Univ., 1915-7; co. agt., 1917-.—*b.* Cairo, W. Va., Sept. 5, 1881; *s.* David M. and Mattie J. (Newlin) S.; reared in town and on farm; *m.* Anna McKirahan, June 24, 1908. B.S.A., Univ. Neb., 1914; M.S., Ohio State Univ., 1917. Alpha Zeta.

Sloan, David Kinney, co. agrl. agt., Towanda, Pa.

b. Orangeville, Pa., Dec. 10, 1887; *s.* E. H. and Gertrude (White) S.; reared on farm; *m.* Irene Ikeler, Oct. 4, 1911; *c.* 1 son, 1 daughter. B.S.A., Penn. State Coll., 1910. Alpha Zeta.

Sloan, Robert Lee, co. agrl. agt., Colfax, La.

Asst. dir. farmers insts., N. C. Dept. Agr., 1914-5; princ. Bienville Parish Agrl. Sch., 1916. (Sweet potatoes).—*b.* Charlotte, N. C., Mar. 29, 1889; *s.* H. Lawrence and Katherine L. (Morris) S.; reared on farm; *m.* Elizabeth Sharpe, Dec. 24, 1918. B.S., N. C. A.&M. Coll., 1913.

S

Slocum, Rob Roy, poultryman, Bur. An. Ind., U. S. Dept. Agr., Washington, D. C.

Dir. Amer. Assoc. Instrs. and Invests. in Poultry Husb. *Co-auth.*: The Mating and Breeding of Poultry, 1920.—*b.* King Ferry, N. Y., Nov. 28, 1883; *s.* B. F. and Katherine A. (Young) S.; reared on farm and in town. B.S.A., Cornell Univ., 1906.

Slocum, Sylvia H., home dem. agt., R.F.D. 6, Richmond, Va.

Teach. country schs., 1908-13; home dem. agt. Henrico Co., Va., 1913–.—*b.* Eaton Co., Mich., Sept. 13, 1887; *d.* Chas. A. and Cornelia (Soper) S.; reared on farm. Grad. Mich. State Normal Coll., Ypsilanti, 1907; student Univ. Va., Geo. Peabody Coll.

Smalley, Harold R., western agron., Soil Improvement Com., Kansas City, Mo.

Asst. chem. in soils and crops, Ind. Exp. Sta., 1911-3; agrl. agt., Starke Co., Ind., 1913-5; asst. agrst. and farm manag. invest., U. S. Dept. Agr., Washington, 1915-6; agt. Steuben Co., Ind., 1916-8; agt. Allen Co., 1918-20; present position, 1920–. (Soil fert.).—*b.* Summitville, Ind., May 30, 1887; *s.* Andrew J. and Sarah E. (Hand) S.; reared on farm; *m.* Hazel Marie Compton, Dec. 31, 1914; *c.* Jack, Betty Jean. B.S.A., Purdue Univ., 1911; M.S.A., 1913. Sigma Xi; Alpha Gamma Rho.

Smarr, William Logan, co. agrl. agt., Lincolnton, N. C.

Chg. agrl. dept., high-sch., Olla, La., 1913-5; agt. Lincoln Co., N. C., 1915–.—*b.* Sharon, S. C., Aug. 16, 1889; *s.* W. T. and Annie (Gilmore) S.; reared on farm; *m.* Hazelle Beam, Dec. 27, 1916; *c.* Sarah Hope. B.S., Clemson Agr. Coll., 1913.

Smith, Albert Edward, co. agrl. agt., Loa, Utah.

b. Manassa, Colo., Oct. 24, 1886; *s.* Albert R. and Irene U. (Haskell) S.; reared on farm; *m.* Minnie J. DePriest, Oct. 3, 1907. B.S., Utah Agr. Coll., 1918.

Smith, Alfred, asst. prof. soil tech., Univ. Calif., Berkeley, Calif.

Instr. chem., Wittenberg Coll., 1908-9; instr. chem. and geol., Pomona Coll., 1912-4; present position, 1914–.—*b.* Hazleton, Pa., Jan. 4, 1888; *s.* John and Mary Katherine (Rosenstock) S.; reared in country town; *m.* Bessie Mildred Archibald, Sept. 9, 1914. B.A., Wittenberg Coll., 1907; M.A., 1910. Sigma Phi Epsilon; Alpha Zeta.

Smith, Alfred Glaze, farmer and agrst., U. S. Dept. Agr., Columbia, S. C.

State leader co. agts. for Ill., 1913-4. Organizer Rock Hill Alfalfa Growers Assoc., S. C.—*b.* Danville, Ill., Jan. 23, 1881; *s.* John Eli and Mary Ellen (Firebaugh) S.; reared on farm; *m.* Lucy Prutsnam, Sept. 11, 1907; *c.* Alfred G. Jr. B.S., Univ. Ill., 1906. Alpha Zeta.

Smith, Arthur Bourne, librarian, Kans. State Agr. Coll., Manhattan, Kans.

Ed. Cumulative Book Index and Readers Guide to Periodical Literature, H. W. Wilson Co., Minneapolis, 1902; head order dept., Univ. Calif. Library, 1902-11; present position, 1911–.—*b.* Elizabeth City, N. C., Aug. 2, 1873; *s.* Chas. Wesley and Hester (Bourne) S.; reared in country and city; *m.* Mary Adda Read, Oct. 26, 1902; *c.* Hester Elizabeth, Elgene Arthur, Russell Richard. Ph.B., Wesleyan Univ., Middletown, Conn., 1900; B.L.S., Univ. Ill., 1902. Delta Tau Delta.

Smith, Arthur Carlton, prof. poultry husb., Univ. Minn., University Farm, St. Paul, Minn.

Supt. Grove Hill poultry yards, Waltham, Mass., 1894-1902, 1904-12; supt. poultry and pet stock, Dreamwood, 1902-4. Mem. com. on standards, Amer. Poultry Assoc., 10 yrs. *Assoc. ed.*, Farm Poultry, 2 yrs.; Poultry Herald, 2 yrs.—*b.* Athol, Mass., Aug. 26, 1867; *s.* Dwight and Bianca (Norcross) S.; reared on farm and in city; *m.* Elizabeth Page, Sept. 2, 1902. S.B., Mass. Inst. Tech., 1892.

Smith, Arthur George, co. agrl. agt., Canton, O.

Chg. dairy dept., Waddington Farm, W. Va., 6 yrs.; co. agt., 1916–. (An. husb.).—*b.* Blue Mounds, Wis., Dec. 30, 1881; *s.* John W. and Elizabeth (Powell) S.; reared on farm; *m.* Edna Jane Ray, May 15, 1912; *c.* John Ray, Harold Curtis. B.S.A., Univ. Wis., 1908.

Smith, Carl Albert, manag. northern distr., New England Milk Producers Assoc., Lawrence, Mass.

Agron., T. N. Vail Agr. Sch., 1916-7; co. agt., Manchester, N. H., 1917-9.—*b.* Lyndon, Vt., Nov. 6, 1887; *s.* Fred D. and Cora E. (Gorham) S.; reared on farm; *m.* Inez W. Vaughan, May 27, 1909; *c.* Evelyn Mildred. B.S., Mich. Agr. Coll., 1916.

Smith, Charles Edward, co. agrl. agt., Trinidad, Colo.

Princ. sch., Litchfield, Mich., 1895-8; Rockford, 1898-1901; asst. prof. geol., Colo. Sch. of Mines, 1905-11; co. agt., 1916–.—*b.* Jackson Co., Mich., Sept. 5, 1866; *s.* B. F. and Mary E. (Rood) S.; reared on farm; *m.* Harriet Hanson, Sept. 9, 1896; *c.* Helen, Eugene, Caro. Ph.B., Albion Coll., Mich., 1895; A.M., Cornell Univ., 1902; B.S., Colo. Agr. Coll., 1916. Sigma Xi; Alpha Tau Omega.

Smith, Charles Egan, sci. asst., Bur. Ent., U.S. Dept. Agr., Sugar Exp. Sta., Audubon Park, New Orleans, La.

b. Union Parish, La., Sept. 10, 1887; *s.* John Simon and Jimmie Willie (Cargile) S.; reared on farm; *m.* Geneva Barham. B.S., La. State Univ. Alpha Zeta.

Smith, Charles Orchard, state club leader, N. Mex. A.&M. Coll., State College, N. Mex.

Asst. econ., Cornell Univ., 1915-6; garden superv., public schs., Englewood, N. J., 1916-7; asst. state club leader, N. J., 1917-8; present position, 1918–.—*b.* Oaxaca, Mex., July 10, 1892; *s.* Lucious C. and Sara (Orchard) S.; reared in town. B.S.A., Cornell Univ., 1916.

Smith, Chauncey William, assoc. prof. agrl. engin., Univ. Neb., Lincoln, Neb.

b. Colfax Co., Neb., Sept. 8, 1886; *s.* Jason S. and Mae (Draper) S.; reared on farm; *m.* Emma Falter, June 8, 1915; *c.* Roger Falter, Richard Draper. B.Sc., Univ. Neb. Alpha Zeta; Gamma Sigma Delta.

Smith, Clarence Beaman, chief Off. Ext. Work North and West, States Relations Serv., U. S. Dept. Agr., Washington, D. C.

Princ. schs., Lawton, Mich., 1895-6; with U. S. Dept. Agr., 1896–. *Ed.*, Experiment Station Record, 1897-1907. *Auth.*: (with E. V. Wilcox) Farmer's Cyclopedia of Agriculture, 1904; Farmer's Cyclopedia of Live-Stock, 1907.—*b.* Howardsville, Mich., Sept. 21, 1870; *s.* Alonzo and Harriett E. (Maybee) S.; reared on farm; *m.* Lottie Lee Smith, Oct. 2, 1901; *c.* Herbert, Beaman, Helen, Roger, Huron, June. B.S., Mich. Agr. Coll., 1894; M.S., 1895; D.Sc., 1917.

Smith, Clarence E., co. agrl. agt., Norwich, N. Y.

Princ. schs., Fabius, N. Y., 1909-10; New Berlin, 1910-2; princ. and teach. agr., Greene, 1912-9; agrl. agt. Chenango Co., 1919–. Pres. Chenango Co. Teach. Assoc., 1917-9.—*b.* Steuben, N. Y., Apr. 17, 1887; *s.* Sylvester and Emeline (Olney) S.; reared on farm; *m.* Hilda Gilbert, Aug. 24, 1912; *c.* Gilbert Olney. A.B., Syracuse Univ., 1909; grad. student Cornell Univ. Delta Chi.

Smith, Claude Carlisle, co. agrl. agt., Rosedale, Miss.

b. Iuka, Miss., Oct. 8, 1896; *s.* S. J. and Carrie (Bishop) S.; reared on farm. B.S., Miss. A.&M. Coll., 1917.

Smith, Earl R., farmer, Kasoag, N. Y.

Seed potato grower, 10 yrs. Pres. N. Y. State Potato Assoc.; sec. Kasoag Potato Assoc. (Potato specialist).—*b.* Parish, N. Y., May 12, 1886; *s.* Alfred C. and Zadie C. (Jewell) S.; reared on farm; *m.* Isabelle Esther Beck, May 13, 1905; *c.* Lynn Wallis. Grad. Albany Business Coll., 1904.

Smith, Edgar Dayton, state dir. voc. agrl. educ., Santa Fe, N. Mex.

Asst. fruit pest insp., B. C., 2 yrs.; teach. agr., Atlantic Co. voc. schs., N. J., 1914-7; Middletown Township voc. sch., 1917-8.—*b.* Cold Spring Harbor, N. Y., Sept. 7, 1886; *s.* Edgar H. and Sophie Viele (Knapp) S.; reared on farm; *m.* Bernice Belle Hatch; *c.* Henry Dayton. B.S., Cornell Univ., 1913.

Smith, Edwin, specialist in fruit transportation and storage, Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Canadian fruit transportation and storage invests., 1912-6. In U. S. Navy, 1918-9.—*b.* Lodi, N. Y., Nov. 27, 1888;

s. Clarence F. and Laura (Swarthout) S.; reared on farm. B.S., Mich. Agr. Coll., 1912. Alpha Zeta.

Smith, Edwin Augustus, agrl. ed., Spokane, Wash.

Ed., The Twice-a-Week Spokesman Review, 1895–; managing ed., The Pacific Northwest Farm Trio, 1916–. Founder of The Order of Antaeus, 1912.—*b.* Balasore, India, Oct. 2, 1853; *s.* Benj. Burleigh and Dorcas (Folsom) S.; *m.* Delia Ann Leslie, June 11, 1890; *c.* Edith Dorcas. Grad. Bates Coll., 1873.

Smith, Edwin Potter, farmer, Sherburne, N. Y.

Farm manag., 1912-5; co. agrl. agt., Chenango Co., N. Y., 1915-9; farmer and breeder of Holstein-Friesian cattle, 1919–.—*b.* Newark Valley, N. Y., Oct. 10, 1887; *s.* Jabez Collins and Belle (Donley) S.; reared on farm; *m.* Gertrude Irene Howard, June 27, 1918. B.S., Univ. Rochester, 1910; B.S.A., Cornell Univ., 1912. Alpha Gamma Rho.

Smith, Elizabeth Hight, asst. prof. plant path., Univ. Calif., Berkeley, Calif.

Present position, 1905–.—*b.* Brookline, Mass., Jan. 12, 1877; *d.* Francis Obed and Emily Margaret (Simpson) S. A.B., Smith Coll., 1900; M.S., Mass. Agr. Coll., 1905.

Smith, Elmer D., florist, Adrian, Mich.

Auth.: Smith's Chrysanthemum Manual. (Chrysanthemums).—*b.* Detroit, Mich., Nov. 20, 1854; *s.* Nathan and Helen A. (Green) S.; reared in city; *m.* Carrie L. Bailey, Nov. 30, 1886.

Smith, Erwin Frink, in chg. Lab. Plant Path., U. S. Dept. Agr., Washington, D. C.

Sch. teach., 2 yrs.; prison guard and keeper, 2 yrs.; clerk and weather recorder, Mich. State Bd. Health, 2 yrs.; with U. S. Dept. Agr., 1886–. Del. Royal Hort. Soc. Conference on Genetics, London, 1906; 1st Intern. Congress Comp. Path., Paris, 1912; 17th Intern. Congress Med., London, 1913. Ex-pres. Soc. Plant Morphology and Physiology, 1902; Sect. G, A.A.A.S., 1906; Soc. Amer. Bact., 1906; Bot. Soc. Amer., 1910; Amer. Phytopath. Soc., 1916. Mem. Nat. Acad. Sci.; Amer. Philosophical Soc.; Amer. Acad. Arts and Sci.; certificate of honor, Amer. Med. Assoc., 1913, for discovery of cancer in plants. *Auth.*: Bacteria in Relation to Plant Diseases, Vol. I, 1905, Vol. II, 1911, Vol. III, 1914; Pasteur: The History of a Mind, a translation from the French (with Florence Hedges); Bacterial Diseases of Plants, 1920.—*b.* Gilbert Mills, N. Y., Jan. 21, 1854; *s.* Rancellor King and Louisa (Frink) S.; reared in village and on farm; *m.* Charlotte May Buffett, Apr. 13, 1893; 2d, Ruth Annette Warren, Feb. 21, 1914. B.S., Univ. Mich., 1886; Sc.D., 1889; Sc.D., Univ. Wis., 1914. Phi Delta Theta.

Smith, Estelle Tomlinson, distr. home dem. agt., Goldsboro, N. C.

Teach., Wayne Co., N. C., 2 yrs.; graded sch., Greensboro, 3 yrs. Pres. Goldsboro Woman's Club, 2 yrs.—*b.* Archdale, N. C., Oct. 6, 1881; *d.* Wm. Sidney and Sue (Vail) Tomlinson; reared in town; *m.* Herman C. Smith, Mar. 2, 1907; *c.* Chas. Egbert. Grad. Normal Sch., Asheville, N. C.

Smith, Frank A. Cushing, lands. arch., 209 S. LaSalle St., Chicago, Ill.

Instr. lands. design, Univ. Ill., 1913-6; asst. prof. rural civic improvement, Mass. Agr. Coll., 1916-7. Received medal and honorable mention, Intern. Competition Replanning of Dublin, Ireland, 1914. Lieut. Air. Serv., U. S. Army, 1918-9. (Town and country planning).—*b.* Wauwatosa, Wis., Apr. 22, 1887; *s.* Albert Wm. and Mary (Cushing) S.; reared in city; *m.* Helen Marie Hanson, Sept. 12, 1917. B.S., Cornell Univ., 1912; M.L.A., Harvard Univ., 1914.

Smith, Frank Marks, farmer, Springfield Center, N. Y.

Breeder pure-bred Guernseys. Vice-pres. Canajoharie Nat. Bank, Cooperstown Nat. Bank. Pres. N. Y. State Breeders Assoc., 1917, sec., 1918; dir. N. Y. State Fed. Farm Burs., 1919-20. —*b.* Springfield, N. Y., July 28, 1883; *s.* Andrew R. and Mary (Marks) S.; reared on farm; *m.* Mabel Williams, Sept. 2, 1907; *c.* Andrew R., Thos. W. LL.B., Albany Law Coll., 1905.

Smith, Fred A., dir. Essex Co. Agrl. Sch., Hathorne, Mass.

Market-gardener and florist, 1893-1902; park supt., Hopedale, Mass.,

1902-3; supt. Turner Hill Farm, Ipswich, 1903-13; present position, 1913–. Sec. Essex Agrl. Soc., 1911-4.—*b.* Lynn, Mass., June 6, 1871; *s.* Henry H. and Emma J. (Keen) S.; reared on farm; *m.* Frances M. Knowland, July 10, 1899; *c.* Helen F., Mildred E., Harold K. B.S., Mass. Agr. Coll., 1893.

Smith, George Alfred, distr. agrl. agt., College Station, Tex.

Co. agt., Jefferson Co., Tex., 6 yrs.; agrl. agt., Chamber of Commerce, Beaumont, 1 yr. Mem. Vt. Legislature, 1904. First pres. Tex. Citrus Growers; dir. Tex. Farmers Congress, 7 yrs. *Ed.*, county newspapers in N. Y., Vt., N. C., Ky.; agrl. ed. Enterprise, Beaumont, Tex., 4 yrs.—*b.* Afton, N. Y., Oct. 13, 1862; *s.* Alfred D. and Fannie A. (Dean) S.; reared in village.

Smith, George Alonzo, dairy expert, N. Y. State Exp. Sta., Geneva, N. Y.

Manufacturer butter and cheese, 1860-88; instr. dairying, N. Y. State Dairy Comn., 1888; dir. N. Y. State Farm Insts., 1893-6; present position, 1898–. Pres. N. Y. State Dairy Assoc., 1900-4; mem. N. Y. State Fair Comn., 1900-8; in chg. N. Y. State dairy exhibit at Buffalo Expos., 1901.—*b.* Burlington, N. Y., Sept. 29, 1842; *s.* Alonzo and Samantha (Cutler) S.; reared on farm; *m.* Lucinda Holmes, Jan. 2, 1868; *c.* Fred A., Jessie.

Smith, George E. P., prof. irrig. engin., Univ. Ariz., Tucson, Ariz.

Instr. civil engin., Univ. Vt., 1897-1900; prof. civil engin., Univ. Ariz., 1900-6; prof. irrig. engin. and irrig. engin., Exp. Sta., 1906–. Studied irrigation in Italy, 1910. (Groundwaters and their utilization).—*b.* Lyndonville, Vt., Dec. 29, 1873; *s.* Franklin Horatio and Hattie L. (Powers) S.; reared in town; *m.* Maude North, Oct. 1, 1904; *c.* Geo. E. P. Jr. B.S. in C.E., Univ. Vt., 1897; C.E., 1899; research study, Univ. Wis., 1910-1. Phi Beta Kappa; Kappa Sigma; Phi Kappa Phi.

Smith, George Robarge, co. agrl. agt., Brighton, Colo.

Ent. for govt. of Argentina, 2½ yrs. Chm. Adams Co. Council of Defense, 1917.—*b.* Auburn, N. Y., Mar. 16, 1883; *s.* Joseph and Julia (Robarge) S.; reared in farm and town; *m.* E. Bula Herschler, Apr. 4, 1917. B.S., Colo. Agr. Coll., 1912. Alpha Zeta.

Smith, George Vrooman, ed. New England Farms, W. Willington, Conn.

Farmer. Sec. Conn. Poultry Assoc.—*b.* Tioga, Pa., May 10, 1874; *s.* Robt. B. and Ellen A. (Share) S.; reared in small town; *m.* Alice F. Tyler, July 6, 1899. A.B., Union Univ., 1894; LL.B., Yale Univ., 1899. Beta Theta Pi.

Smith, Glenn Calvin, teach. voc. agr., high-sch., Chinook, Mont.

Teach., Oakwood, Ill., 1916-7; Twin Bridges, Mont., 1917-9; present position, 1919–.—*b.* Cuba, Ill., Sept. 8, 1889; *s.* Wm. F. and Jane Elizabeth (Holcomb) S.; reared on farm; *m.* Pearl Evelyn Eveland, Sept. 2, 1914; *c.* Evelyn Jane. B.S., Univ. Ill., 1916.

Smith, Grover Cleveland, co. agrl. agt., La. State Univ., Baton Rouge, La.

Princ. high-sch., Billings, Okla., 1916-7. Pres. Farmers Coop. Club, Scott Co., Ark. In U. S. Army, 3 mos.—*b.* Warrensburg, Mo., Feb. 13, 1886; *s.* Joseph P. and Annie E. (Graves) S.; reared on farm; *m.* Lucy Lee Graham; *c.* Graham Cleveland. B.S., Okla. A.&M. Coll., 1916.

Smith, Guy Carlton, dir. Bur. Markets, Pa. Dept. Agr., Harrisburg, Pa.

Assoc. prof. econ., N. H. A.&M. Coll., 1911-3; prof., 1914-6; prof. econ., Conn. Agr. Coll., 1916-9; agt. U. S. Bur. Markets, 1917-9; present position, 1919–.—*b.* Tipton, Mich., Nov. 28, 1881; *s.* J. F. and A. Eliza (Brown) S.; reared on farm; *m.* Florence Spalding, July 31, 1907; *c.* Carlton Spalding, Richard Spalding. Ph. B., Univ. Chicago, 1910; grad. work, Univ. Chicago, 1911. Phi Delta Pi.

Smith, Harry W., asst. prof. bact., Univ. Me., Orono, Me.

Princ. Petersham Agrl. High-Sch., Mass., 1910-1; dir. agr., Good Will High-Sch., Hinckley, Me., 1911-2; asst. prof. bact., Univ. Me., 1912; asst. co. agt. leader, Univ. Me., 1917-9; asst. prof. bact., 1919–.—*b.* Hudson, Me., Nov. 20, 1886; *s.* C. L. and Dora B. (Davis) S.; reared in town; *m.* Gertrude

E. Folley, July 23, 1912; *c.* Richard M., Irene F. B.S., Univ. Me., 1909. Theta Chi; Alpha Zeta.

Smith, Harvey George, vice ext. dir., Mich. Agr. Coll., E. Lansing, Mich.

Formerly co. agrl agt., Grand Rapids, Mich.—*b.* Oakfield, Wis., Feb. 22, 1886; *s.* Andrew and Rosalie S.; reared on farm. B.S., Univ. Wis., 1911. Alpha Zeta.

Smith, Homer William, co. agrl. agt., Rapid City, S. D.

Farmer, S. D., 1913-4; asst. public speaking, Univ. Calif., summer 1916; instr. public speaking, Cornell Univ., 1916-7. 2d Lieut. Field Artillery, U. S. Army, 1918. (An. husb.).—*b.* Egan, S. D., Sept. 25, 1891; *s.* Arthur N. and Emma (Graner) S.; reared on farm. B.S., S. D. State Coll., 1916; M.S., 1918. Lambda Chi Alpha.

Smith, Howard Remus, live-stock comnr., Chicago Live-Stock Exchange, Union Stock Yards, Chicago, Ill.

Asst. prof. an. husb., Univ. Neb., 1900-1; assoc. prof., 1901-2; prof., 1902-12; prof., Univ. Minn., 1912-5; live-stock specialist, Great Northern Ry. and First Nat. Bank, St. Paul, Minn., 1915-7; present position, 1917–. Mem. U. S. Live-Stock Ind. Com. Pres. Nat. Agrl. Soc. *Auth.*: Profitable Stock Feeding, 1905; Cattle for the Northwest, 1917. *Ed.*, live-stock dept., The Farmer, St. Paul.—*b.* Addison, Mich., Apr. 16, 1872; *s.* Frederick Hart and Mary Selina (Burr) S.; reared on farm; *m.* Hazel Ruth Neu, Apr. 3, 1912; *c.* Genevieve Louie, Frederick Hart. B.S., Mich. Agr. Coll., 1895.

Smith, James Obediah Mitchell, farmer and seed-grower, Commerce, Ga.

b. Commerce, Ga., Aug. 13, 1874; *s.* Wm. Lloyd and Martha Ann (Williams) S.; reared in town; *m.* Bessie Lourene Hardman, Sept. 20, 1917; *c.* Henry Obediah.

Smith, Jared Gage, agrl. writer, Napoopoo, Hawaii.

Asst. agrst., Neb. Exp. Sta., 1888-90; assoc. bot., Shaw Sch. Bot., St. Louis, 1892-3; bot. asst., Mo. Bot. Gardens, 1893-5; with U. S. Dept. Agr., 1895-1908; asst. chief div. agrostology, 1895-9; asst. div. bot., 1899-1900; chief sect. seed and plant introduction, 1900-1; dir. Hawaii Exp. Sta., 1901-8; prof. agron., Coll. Hawaii, 1915-6; tobacco planter, 1908-18. Traveled in Europe, Australia, Mexico. *Ed.*, Pacific Commercial Advertiser, Honolulu.—*b.* Scottsburg, N. Y., Sept. 13, 1886; *s.* Prosper Adams and Delia (Spencer) S.; *m.* Grace Catherine Werner, May 15, 1894. B.S., Univ. Neb., 1888; M.A., 1892.

Smith, John Macgregor, prof. agrl. engin., Univ. Sask., Saskatoon, Sask.

Asst. prof. agrl. engin., Univ. Sask., 1913-8; prof., 1918–. Chg. agrl. engin. dept., Farmers' Advocate, Winnipeg, 1916–. (Farm machinery).—*b.* Edinburgh, Scotland, July 29, 1887; *s.* Wm. Nelson and Jane Scott (Macgregor) S.; reared in city; *m.* Ida Baldwin, Sept., 1915. Student Univ. Edinburgh, 3 yrs.; B.S.A., Univ. Man., 1913.

Smith, John Warren, chief Div. Agrl. Meteorology, U. S. Weather Bur., Washington, D. C.

With U. S. Weather Bur., 1888–; dir. N. E. sect., 1890-6; Mont. sect., 1896-7; O. sect., 1898-1909; special lect. meteorology, Ohio State Univ., 1898-1909; distr. forecaster and distr. ed., St. Louis, 1909-10; prof. meteorological sci., Ohio State Univ., and dir. O. sect., 1910-5; present position, 1915–. Sec. State Tuberculosis Comn., O., 1902; pres. O. Acad. Sci., 1914-5. *Auth.*: Agricultural Meteorology, 1920. (Weather and crops).—*b.* Grafton, N. H., Sept. 21, 1863; *s.* John R. and Mary E. (Wadleigh) S.; reared on farm; *m.* Florence A. Eaton, 1890; 2d, May P. Goetches, 1912; *c.* Ruth E., Russell W., Audrey P. B.S., N. H. A.&M. Coll., 1888; M.S., 1900; student Harvard Univ., 1891-2.

Smith, Joseph Griffith, sci., Bur. Soils. U. S. Dept. Agr., Washington, D. C.

Princ. village and country high-schs., 9 yrs.; asst. prof. chem., Univ. Ga., 1902. —*b.* Ila, Ga., Nov. 9, 1868; *s.* Lloyd and Annie (Williams) S.; reared on farm; *m.* Annie Florence Baxter, Dec. 19, 1899 (d. 1911); 2d, Mary Florence Throckmorton, May 17, 1916; *c.* Baxter, Joseph Glen, Hubert, Griffith, Benj. Williams. B.S., Univ. Ga., 1895; M.S., 1896.

Smith, Julius, fruit-grower, Moorestown, N. J.

Asst. agrl. econ., Univ. Wis., 1914-5; invest. fruits and vegetables, Bur. Markets, 1916-8; civilian expert, chg. fresh, canned and dried fruit and veg. sect., War Dept., 1919. Sec. Pa. Rural Progress Assoc., 1912-7. Traveled in Europe, 1910, 1912. —*b.* New York City, May 23, 1891; *s.* Barnett and Mary R. (Smith) S.; reared in city; *m.* Edith Ellicott Powers, 1912. A.B., Cornell Univ., 1911; B.S., 1914.

Smith, LeRoy Burns, asst. state leader co. agts., Univ. Calif., Berkeley, Calif.

Dir. Calif. Poly. Sch., 1908-14; co. agrl. agt., Fresno, 1917-9; present position, 1919–.—*b.* Tyre, N. Y., Apr. 26, 1876; *s.* Chas. L. and Mary H. (Burns) S.; reared on farm; *m.* Sara Elizabeth White, July 14, 1903; *c.* Mary Elizabeth, Bernice. A.B., Cornell Univ., 1901; B.S.A., Univ. Calif., 1916. Phi Delta Kappa.

Smith, Leslie John, prof. agrl. engin., Man. Agr. Coll., Winnipeg, Man.

Instr. in chg. farm mech. div., Mich. Agr. Coll., 1906-10; present position, 1918–. *Auth.*: Essentials in Mechanical Drawing, 1917.—*b.* Petoskey, Mich., May 25, 1881; *s.* Jasper and Jane (Piekie) S.; reared in town; *m.* Shirley F. Pierce, Aug. 26, 1909; *c.* Jasper A., Dorothy Lois. B.S., Mich. Agr. Coll., 1906. Tau Beta Pi.

Smith, Leslie R., dir. Div. Reclamation, Soil Survey and Fairs, Mass Dept. Agr., State House, Boston, Mass.

Gen. agt., Rogers & Hubbard Co., Middletown, Conn., fertilizers, 12 yrs.; supt. state farm machinery, 1918-9. Master Mass. State Grange, 1918–; pres. Hampshire Co. Farm Bur., 4 yrs.—*b.* Hadley, Mass., Feb. 17, 1873; *s.* Geo. B. and Ophelia M. (Munn) S.; reared on farm; *m.* Ethel A. Moffitt, Oct. 14, 1903; *c.* L. Rockwell, Elizabeth M.

Smith, Loren Bartlett, assoc. state ent. and assoc. ent., Va. Truck Exp. Sta., Norfolk, Va.

Asst. state ent., Va., 1914-9; assoc., 1919–; asst. ent., Va. Truck Exp. Sta., 1914-9; assoc. ent., 1919–.—*b.* Truro, N. S., Mar. 24, 1890; *s.* Hermon Woodworth and Margaret (Pratt) S.; reared on farm and in town; *m.* Louise C. Smith, 1911; *c.* Chas. Loren, Vivian Margaret, Hermon Eugene. B.S., Cornell Univ., 1914.

Smith, Louie Henrie, prof. plant-breeding, Univ. Ill., Urbana, Ill.

Asst. chem., Ill. Exp. Sta., 1899-1903; chief asst. chem., 1903-5; asst. prof. plant-breeding, Univ. Ill., 1905-11; prof., 1911–; acting head agron. dept., 1918–. Del. to 2d Intern. Congress for Agrl. Educ., Liege, Belgium, 1905. *Asst. ed.*, Journal of the Amer. Soc. of Agron.—*b.* Crystal Lake, Ill., Apr. 15, 1872; *s.* Chas. W. and Anna E. (Robinson) S.; reared in town; *m.* Bessie I. Morgan, June 18, 1914. B.S., Univ. Ill., 1897; M.S., 1899; Ph.B., Univ. Halle, Germany, 1907. Sigma Xi; Gamma Alpha.

Smith, Marion Russell, ext. ent., N. C. State Dept. Agr., Raleigh, N. C.

Grad. asst. ent., Clemson Agr. Coll., 1915-6; sci. asst. truck crop insect invests., U.S. Bur. Ent., 1917-8; research asst. ent., Clemson Agr. Coll., 1918-9; present position, 1919–. Research ent., southern field crops insect invest., Bur. Ent., Delta Laboratory, Tallulah, La. —*b.* Pendleton, S. C., June 19, 1894; *s.* J. D. and Lena (Russell) S. B.S.A., Clemson Agr. Coll., 1915; M.Sc., Ohio State Univ., 1917. Sigma Xi.

Smith, Mark Joseph, agt. in an. husb., U. S. Dept. Agr., and asst. prof. an. husb., Cornell Univ., Ithaca, N. Y.

In chg. sheep and wool invests., Ky. Exp. Sta., 1914-6; ext. instr. an. husb., Univ. Mo., 1917. Acting sec. N. Y. State Fed. of Co. Sheep Growers Coop. Assoc. Inc. (Sheep, wool).—*b.* Burdett, N. Y., Feb. 2, 1891; *s.* Hollen C. and Tirzah (Todd) S.; reared in village; *m.* Margaret Rea Oaks, Dec. 26, 1916; *c.* Hollen C., Isabelle Rea. B.S., Univ. Ill., 1914. Alpha Zeta.

Smith, Oliver, publisher, 6 Cedar Parkway, Chevy Chase, Md.

In export business, N. Y. and Peru, 1898-1902; fertilizer business, Wilmington, N. C., 1902-6; farmer, Talbot Co., Md., 1906-14; asst. agron., W. Va. Univ., 1913-4; sci. asst., U. S. Dept. Agr., 1918-9. *Assoc. ed.*, Nat. Agrl. Leaders Magazine. (Fertilizers).—*b.* Taughannock Falls, N. Y., June 3, 1876;

s. Henry A. and Rosena W. (Ryder) S.; reared in city; *m.* Lillian Smith, 1905; *c.* Dorothy Ryder. A.B., Columbia Univ., 1897; B.S.A., Cornell Univ., 1913.

Smith, Ralph Waldo, sci. asst. in agron., Off. Cereal Invests., U. S. Dept. Agr., Dickinson Exp. Substa., Dickinson, N.D.

Princ. rural consolidated schools, 1909-12.—*b.* Spring Valley, Minn., Oct. 9, 1877; *s.* Eber A. and Sarah L. (Sanborn) S.; reared on farm; *m.* Effie F. Christian, Feb. 23, 1904; *c.* Glenn S., Ruth S., Myrtle C. B.S.A., N. D. Agr. Coll., 1914.

Smith, Robert Lloyd, farmer and banker, Waco, Tex.

Princ. Oakland Normal Sch., 1885-1902; pres. Farmers Improvement Agrl. Sch., near Ladonia, Tex., 1906-18. Founder and pres. Farmers Improvement Soc. of Tex., 1890–. Mem. Tex. Legislature; deputy U. S. Marshall. *Ed.*, Helping Hand.—*b.* Charleston, S. C., Jan. 7, 1861; *s.* Francis A. and Mary H. (Talbot) S.; reared in city; *m.* Isabel Isaacs, Nov. 16, 1890; *c.* Roscoe C., Olive Belle. A.B., Atlanta Univ., 1890.

Smith, Roger Cletus, asst. prof. ent., Kans. State Agr. Coll., Manhattan, Kans.

Princ. Fairview High-sch., Dayton, O., 1912-4; assoc. lect. nat. hist., Milwaukee Public Museum, 1917-8; sci. asst., U. S. Bur. Ent., Charlottesville, Va., 1918-20; present position, 1920–. Walker prize, Boston Soc. Nat. Hist., 1919. (Neuroptera, especially Chrysopidae and Hemerobiidae).—*b.* Dayton, O., June 7, 1888; *s.* Oliver J. and Amelia (Cart) S.; reared on farm; *m.* Ada Drown. A.B., Miami Univ., Oxford, O., 1911; A.M., Ohio State Univ., 1915; Ph.D., Cornell Univ., 1917. Phi Kappa Tau.

Smith, Ruby Green, state leader home bur. organization, Cornell Univ., Ithaca, N. Y.

Instr., Leland Stanford Univ., 1902-5; lect., Chautauqua, 1913-4; specialist city organization, ext. work with women, U. S. Dept. Agr., 1917-8; deputy dir., N. Y. State Food Comn., 1918-9; asst. state leader home econ. ext., Cornell Univ., 1919-20.—*b.* near Knightstown, Ind.; *d.* Alpheus W. and Jennie Marcella (Hayes) Green; reared on farm and in town; *m.* Albert W. Smith; *c.* Alpheus Waldo, Dorothy M., Ruth Althea. A.B., Leland Stanford Univ., 1902; A.M., 1904; Ph.D., Cornell Univ., 1914. Phi Beta Kappa; Sigma Xi; Kappa Alpha Theta.

Smith, Sidney Benjamin, co. agrl. agt., Court House, Decatur, Ill.

Farmer, Springfield, Ill., 1908-18. Sec. Ill. Live-Stock Breeders Assoc., 2 yrs.; dir. Ill. State Dairymens Assoc., 3 yrs.; sec.-treas. Ill. Jersey Cattle Club.—*b.* near Springfield, Ill., Feb. 7, 1885; *s.* Elbert Sidney and Elsie Jane (Kingsley) S.; *m.* Madeline Babcock, Nov. 22, 1910; *c.* Elbert Sidney, Emma Louise. B.S., Univ. Ill., 1907. Alpha Zeta.

Smith, Stanley Van, co. agrl. agt., Albany, Ore.

Instr. hort., Colo. Agr. Coll., 1910-3; agrl. agt. Pueblo Co., 1913-8; Linn Co., Ore., 1918–.—*b.* Ozawkie, Kans., Mar. 25, 1883; *s.* David and Margaret (Huntington) S.; reared in country; *m.* Myrle Peppers, June 2, 1913; *c.* Laura Margaret. B.S., Kans. State Agr. Coll., 1910. Delta Tau Delta.

Smith, Thomas L., co. agrl. agt., Hagerstown, Md.

Prof. agr. and sci., Franklin Coll., New Athens, O., 1914-5; athletic dir., 1914-5; dean, 1915. Dairyman, Youngstown, O., 3 yrs.; manag. Warrior Mt. Orchard Co., Old Town, Md., 2 yrs.—*b.* Youngstown, O., Sept. 13, 1890; *s.* Geo. B. and Elizabeth (Milliken) S.; reared on farm; *m.* Opal B. Moore, Aug. 18, 1914; *c.* Elizabeth Allen, Thos. L. Jr. B.S.A., Ohio State Univ., 1914. Sigma Pi.

Smith, W. Harvey, farmer and breeder Belgian horses, Boswell, Ind.

Pres. Ind. Draft Horse Breeders Assoc.; dir. Amer. Assoc. Importers and Breeders Belgian Draft Horses; pres. Warren Co. Pure Bred Live Stock Breeders Assoc.; sec. Benton-Warren Co. Pure Bred Draft Horse Breeders Assoc.—*b.* Boswell, Ind., Feb. 28, 1878; *s.* Wm. and Malinda (Barkrider) S.; reared on farm; *m.* Mary E. Hall, Dec. 25, 1900; *c.* J. Hall.

Smith, William Herschel, asst. prof. an. husb. ext., Univ. Ill., Urbana, Ill.
Teach. sci., high-sch., Ft. Dodge, Ia., 1907-8; Beatrice, Neb., 1908-10; present position, 1910–.—*b.* Tobias, Neb., Sept. 17, 1884; *s.* Herschel and Jean (Clelland) S.; reared on farm; *m.* Ruby Holman, Dec. 23, 1909; *c.* Jean Holman. B.S., Univ. Neb., 1906; M.S., Univ. Ill., 1912.

Smith, William Howard, farmer, Prattville, Ala.
Pres. McQueen Smith Farming Co., cotton growers and cattle feeders, Ala. —*b.* Prattville, Ala., Nov. 25, 1885; *s.* McQueen and Lila H. S.; reared on farm; *m.* Louise Maytag. Grad. Ia. State Coll., 1906. Sigma Alpha Epsilon.

Smith, William Wesley, assoc. prof. an. husb., Purdue Univ., LaFayette, Ind.
Asst. an. husb., Ia. State Coll., 1904-5; from instr. to assoc. prof. an. husb., Purdue Univ., 1905–. Traveled British Isles, 1908. *Auth.*: Pork Production, 1920.—*b.* Nevada, Ia., Dec. 13, 1878; *s.* Marion and Rachel Louise (Darner) S.; reared on farm; *m.* Katherine Louise Kane, Aug. 1911; *c.* Richard W. B.S.A., Ia. State Coll., 1903; M.S.A., 1906. Alpha Zeta.

Smith, Wilmer Irwin, co. agrl. agt., Palmyra, Va.
Prof. voc. agr., high-sch., Lebanon, Va., 1915-7; asst. supt. substa., Appomatox, summer 1915; co. agrl. agt., 1917–.—*b.* Myersville, Md., Aug. 28, 1891; *s.* Mahlon C. and Fannie May (Kitzmiller) S.; reared on farm; *m.* Lustre H. Gold, Nov. 22, 1918; *c.* Walter Gold. B.S.A., Va. Poly. Inst., 1915; M.S., 1918.

Smith, Wing R., agrst., Syracuse, N. Y.
Sec.-treas. Oakwood Cemetery Assoc.; treas. Holstein-Friesian Assoc. of Amer.; treas. N. Y. State Breeders Assoc.—*b.* Syracuse, N. Y., Mar. 9, 1850; *s.* Wm. Brown and Augusta Maria (Boardman) S.; reared in city; *m.* Mary A. Bigelow, Dec. 21, 1918; *c.* Hannah Munro, Esther, Dorothy Bigelow. Student Cornell Univ. Kappa Alpha.

Smith, Zora Mayo, state superv. agrl. educ., LaFayette, Ind.
Supt. schs., Kempton, Ind., 1901-3; head dept. English, high-sch., Rockford, Ill., 1903-5; princ. high-sch., Danville, Ill., 1905-9; Goldsmith, Ind., 1909-12; present position, 1912–.—*b.* Goldsmith, Ind., Oct., 14, 1874; *s.* Richard Harmon and Sarah Rebecca (Hall) S.; reared on farm; *m.* Bertha Edna McShane, Sept. 3, 1912; *c.* Maurice Harold, Robt. Hugh, Margaret Esther. A.B., DePauw Univ., 1901; A.M., 1905; B.S.A., Purdue Univ., 1919. Phi Delta Theta.

Smyth, Edwin F., co. agrl. agt., Madera, Calif.
Teach. agr. and chem. and distr. club leader, Union High-Sch., Fairoaks, Calif., 1916-8.—*b.* Mo., Jan. 20, 1886; *s.* F. W. and L. S. (Sims) S.; reared on ranch; *m.* Ethel M. Bidwell, June 18, 1914; *c.* Sibyl Mary, Gail Bidwell, Edwin Stanley. Student Univ. Calif. Alpha Kappa Lambda; Phi Delta Kappa.

Smythe, William Ellsworth, journalist, 1402 Merchant's Nat. Bank, San Francisco, Calif.
Exec. chm. Nat. Irrig. Congress, 1893-6, sec., 1891-3. Democratic candidate for Congress, San Diego distr., 1902. Studied coop. movement in Ireland, 1898. Founder Nat. Irrig. Congress. *Auth.*: The Conquest of Arid America, 1900; Constructive Democracy, 1906; History of San Diego, 1906. *Ed.*, Little Lands in America; Western Empire Magazine.—*b.* Worcester, Mass., Dec. 24, 1861; *s.* Wm. A. S. and Abbie (Bailey) S.; reared in city; *m.* Harriet Bridge, Dec. 28, 1882; *c.* Bensel, Margaret, Wm. E. Jr.

Snapp, Oliver Irvin, sci. asst. deciduous fruit insect invests., Bur. Ent., U. S. Dept. Agr., Exp. Sta., Agricultural College, Miss.
Princ. Congressional Agrl. High-Sch., Va., 1916-7; research ent., Md. State Coll., 1916.—*b.* Winchester, Va., Aug. 1, 1895; *s.* Geo. Oliver and Ella (Baumgardner) S.; reared on farm and in town. B.S.A., Va. Poly. Inst., 1915.

Snyder, Addison Hogan, ed. Successful Farming, Des Moines, Ia.
Sci. asst., Bur. Soils, U. S. Dept. Agr., 1901-6; in chg. soils ext., Ia. State Coll., 1906-12; present position, 1912–. (Soils, crops).—*b.* Barnesville, O., Jan. 30, 1879; *s.* E. H. and Ella (Guthrie) S.;

reared on farm. B.Sc., Ohio State Univ., 1901. Alpha Zeta; Phi Kappa Phi; Acacia.

Snyder, Charles Edwin, National Stockman and Farmer, Pittsburgh, Pa.

With Nat. Stockman and Farmer until 1915; ed., Farmers' Review, Chicago, 1915-8; present position, 1918-. —*b.* Huron Co., O., May 30, 1886; *s.* E. P. and Annette (Tillson) S.; reared on farm; *m.* Mary V. Makepeace, Sept. 5, 1912; *c.* Stanley M., Wm. Lewis, Ralph G. B.S.A., Ohio State Univ., 1909. Alpha Gamma Rho.

Snyder, Charles Russell, superv. agr., high-sch., Seaford, Del.

Superv. agr., Carlisle Indian Sch., 1917-8; Chilocco Indian Sch., Okla., 1918-9; present position, 1919-.—*b.* Loganville, Pa., Jan. 22, 1889; *s.* Moses and Anna (Hildebrand) S.; reared in town; *m.* Maud Elizabeth Sechrist, Apr. 20, 1918. B.S., Penn. State Coll., 1917. Alpha Tau Omega.

Snyder, George T., co. agrl. agt., Oregon, Ill.

Stock farmer, Monroeville, O., 1906-17; present position, 1917-.—*b.* Monroeville, O., Feb. 9, 1884; *s.* Edmund P. and Anette (Tillson) S.; reared on farm; *m.* Edna Ryerson, Sept. 21, 1908; *c.* Marion, Jas. B.S., Ohio State Univ., 1906. Alpha Gamma Rho.

Snyder, Harry, chem., 1800 Summit Ave., Minneapolis, Minn.

Asst. instr. chem., Cornell Univ., 1889-90; asst. chem., Cornell Univ. Exp. Sta., 1890-1; prof. agrl. chem. and soils, Univ. Minn., 1891-1909; nutr. collaborator and expert, U. S. Dept. Agr., 1895-1907; chem., Russell Miller Milling Co., Minneapolis, 1909-. Pres. Assoc. Official Agrl. Chem., 1907-8. Fellow A. A. A. S. *Auth.*: The Chemistry of Plant and Animal Life; Dairy Chemistry; Soils and Fertilizers; Human Foods.—*b.* Cherry Valley, N. Y., Jan. 26, 1867; *s.* David W. and Mary A. (Harter) S.; reared on farm and in town; *m.* Adelaide C. Craig, Aug. 2, 1890. B.S., Cornell Univ., 1889. Sigma Xi; Phi Delta Theta.

Snyder, Thomas Elliott, specialist in for. ent., Bur. Ent., U. S. Dept. Agr., Washington, D. C.

b. N. Y. City, Feb. 6, 1885; *s.* Roger and Alice Celinda (Brice) S.; reared in country. B.A., Columbia Univ., 1907; M. F., Yale Univ., 1909; Ph.D., Geo. Washington Univ., 1920.

Snyder, William Patton, supt. Univ. Neb. Expl. Substa., N. Platte, Neb.

Asst. an. husb., Univ. Neb., 1903-4; asst. supt. farmers insts., 1903-6; present position, 1906-.—*b.* Butler Co., Pa., Aug. 17, 1875; *s.* Hiram and Eliza P. (Braham) S.; reared in country; *m.* Rachel Isabelle Pollock, Oct. 27, 1904; *c.* Wm. Patton Jr., Bruce Pollock, Marjorie Isabelle. B.A., Univ. Neb., 1901; M.S., Mich. Agr. Coll., 1903. Alpha Zeta.

Sollenberger, Isaac Jacob, prof. rural sociol., Manchester Coll., N. Manchester, Ind.

Asst. sci., Manchester Coll., 1912-4; instr. biol., 1914-5; prof. agrl. biol., 1915-6; prof. rural econ., 1917-8; prof. rural sociol., 1918-.—*b.* Fidelity, O., Apr. 3, 1891; *s.* David P. and Rebecca A. (Young) S.; reared on farm; *m.* Mary V. Hoke, May 23, 1914; *c.* Talmage Eugene, Guinevere. A.B., Manchester Coll., 1914; grad. student, Ohio State Univ., 1916-7.

Somes, Melvin P., head agr., biol. and for., Flathead Co. High-Sch., Kalispell, Mont.

Chief field agt. ent., Univ. Minn., 1910-2; asst. prof. ent. and zool., Clemson Agr. Coll., 1912; head ent., Mo. State Fruit Exp. Sta., 1912-5; consulting ent., Minneapolis, 1915-6; present position, 1916-. Fellow A. A. A. S., Ia. Acad. Sci.—*b.* Ft. Dodge, Ia., Aug. 24, 1879; *s.* Joseph T. and Anna E. S.; reared in town. B.S., Ia. State Univ., 1909; M.S., 1910. Phi Delta Kappa.

Sorrells, William Holman, princ. Rutland Consolidated High-Sch., Macon, Ga.

Princ. Howard Consolidated High-Sch., Macon, Ga., 1917-8; co. agrl. agt., Leesburg, 1918-9; supt. Dawson Paper Shell Pecan Co., June-Sept., 1919. Treas. Ga. Agrl. Club, 1913-4, pres., 1916.—*b.* Monroe, Ga., Apr. 2, 1890; *s.* Humphrey Hendrix and A. H. (Chandler) S.; reared on farm; *m.* Lola Ruth McLeroy, Dec. 6, 1917; *c.* Martha La

Vere. B.S.A., Univ. Ga., 1916. Lambda Chi Alpha; Sigma Upsilon; Pi Kappa Delta.

Soule, Andrew MacNairn, pres. Ga. State A.&M. Coll., Athens, Ga.

Asst. in expl. dept., Ont. Agr. Coll., 1891-2; asst. to dir. Mo. Exp. Sta., 1894; asst. prof. agr. and asst. agrst. Exp. Sta., Tex. A.&M. Coll., 1894-9; vice-dir. and agrst., Tenn. Exp. Sta., 1899-1903; dir., 1903-4; chm. agrl. faculty, Univ. Tenn., 1899-1904; dean Coll. Agr. and dir. Exp. Sta., Va. Poly. Inst., 1904-7; present position, 1907-. Fed. food adminis. for Ga., 1917-9. Sec. Tenn. Farmers Insts., 1900-4; Va. State Farmers Inst., 1904-7; dir. Farmers Insts., Ga., 1907-. Pres. Amer. Assoc. Farmers Inst. Workers, 1913; mem. Intern. Jury Awards, St. Louis Expos., 1904. Fellow Royal Soc. Arts, London, 1915.—*b.* Hamilton, Ont., July 8, 1872; *s.* John and Margaret (Shaw) S.; *m.* Olivia Canby Porter, Aug. 29, 1895. B.S.A., Univ. Toronto, 1893; Sc.D., Univ. Ga., 1910; LL.D., 1916.

Southwick, Augusta Newman, home dem. agt., Enid, Okla.

Teach. rural schs., 10 yrs.; princ. graded schs., Helena, Okla., 1914-5. Pres. Garfield Co. Fed. Farm Women's Clubs; pres. state organization home dem. agts. *Ed.*, Cherokee Republican, Okla., 1913-7.—*b.* Talbott, Tenn., Aug. 3, 1873; *d.* Thos. H. and Amanda A. (Watkins) Newman; reared on farm; *m.* Edward A. Southwick, July 2, 1901; *c.* Margaret Helen, Mary Alice, Wm. Dudley.

Spafford, Russell Richard, asst. in agrl. econ., Off. Farm Manag., U. S. Dept. Agr., Washington, D. C.

Instr. physics and chem., Peru State Normal, Neb., 1910-1; asst. prof. farm manag., Univ. Neb., 1915-8; present position, 1918-. *Auth.*: (with Hopt) Laboratory Exercises in Principles of Agriculture, 1914. (Agrl. geography).—*b.* Flandreau, S. D., Jan. 26, 1887; *s.* A. J. A. and Jane (Carter) S.; reared on farm and in town; *m.* Marie Louise Herrick, May 3, 1916; *c.* Raymond Lewis. B.S., Univ. Neb., 1914; A.M., 1916. Sigma Xi; Alpha Zeta; Gamma Sigma Delta.

Spanton, William T., state superv. agrl. educ. and dir. teacher-training, R. I. State Coll., Kingston, R. I.

Teach. sci., high-sch., Plain City, O., 1916-7; supt. schs., Litchfield, O., 1917-8; head agrl. dept., E. Tech. High-Sch., Cleveland, 1918-9; present position, 1919-.—*b.* Independence, Ky., Oct. 25, 1891; *s.* Thos. M. and Fannie (Nugent) S.; reared on farm; *m.* Ethel O. Schramm, Oct. 28, 1916; *c.* Billy Floyd. B.A., Ohio State Univ., 1915; B.Sc. in Educ. and Agr., 1916.

Sparks, Edwin Erle, pres. Penn. State Coll., State College, Pa.

Asst. hist., Ohio State Univ., 1884-5; teach. public schs., O., 1885-90; princ. prep. dept. and teach. hist., Penn. State Coll., 1890-5; prof. Amer. hist., Univ. Chicago, 1895-1908; pres., The Penn. State Coll., 1908-. Mem. Pa. State Bd. Agr.; dir. Pa. State Chamber of Commerce; Pa. Coll. and Univ. Council; Pa. Public Safety Com.; Pa. rep. Nat. Com. Prisons. *Auth.*: Expansion of the American People, 1899; The Men Who Made the Nation, 1900; Formative Incidents in American Diplomacy, 1902; The United States of America (2 vols.), 1904; Foundations of National Development, 1907; The Lincoln-Douglas Debates of 1858, 1908.—*b.* Licking Co., O., July 16, 1860; *s.* Erastus Felton and Jane Erle (Dodd) S.; reared in town and country; *m.* Katherine Cotton, Jan. 1, 1890; *c.* Ethel C. B.A., Ohio State Univ., 1884; M.A., 1890; Ph.D., Univ. Chicago, 1900; LL.D., Lehigh Univ., 1909; LL.D., Allegheny Coll., 1915. Chi Phi; Phi Kappa Phi (pres.).

Spaulding, Perley, plant path., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Asst. hort., Univ. Me., 1900-1. (For. path.).—*b.* Royalton, Vt., Sept. 19, 1878; reared on farm; *m.* Anna B. Talbot, Oct. 15, 1904. B.S., Univ. Vt., 1900; M.S., Washington Univ., 1903; Ph.D., 1906.

Speare, Alden True, myco-ent., Bur. Ent., U. S. Dept. Agr., Washington, D. C.

Asst. path., Hawaiian Sugar Planters Assoc. Exp. Sta., Honolulu, Hawaii, 1911-5; present position, 1915-. (Fungous diseases of insects).—*b.* Corinth, Vt., July 25, 1885; *s.* E. J. and Amanda

(Blake) S.; reared on farm and in city; *m.* Mattie Prior Kenney, July 11, 1911. B.S., Dartmouth Coll., 1908; M.A., Harvard Univ., 1910.; Ph. D., 1919.

Spears, Howell Davis, chem. feed control, Ky. Exp. Sta., Lexington, Ky.
Student asst. chem., Univ. Ky., 1906-7; present position, 1907-.—*b.* Lexington, Ky., Mar. 5, 1887; *s.* John Esten and Kate Longsworth (Warfield) S.; reared in city. B.S., Univ. Ky., 1907; M.S., 1908. Phi Delta Theta.

Speas, John Henry, co. agrl. agt., Danbury, N. C.
b. East Bend, N. C., Apr. 3, 1892; *s.* S. M. and Julia (Doub) S.; reared on farm. B.S., N. C. A.&M. Coll., 1916.

Spence, Robert Finley, co. agrl. agt., Berea, Ky.
Teach. Berea Coll., 1910-2; asst. dean foundation dept., 1913; agt. Rockcastle and Madison Cos., 1918-.—*b.* Ionia, Ky., Aug. 24, 1884; *s.* W. A. J. and Elizabeth (Nicholas) S.; reared on farm. Grad. Berea Coll.

Spencer, Arthur Percival, vice dir. ext. div., Univ. Fla., Gainesville, Fla.
Assoc. prof. an. husb., Va. Poly. Inst., 1907-9; dir. 5th Congressional Agrl. High-Sch., Elk Creek, Va., 1909-Sept. 1910; present position, 1910-.—*b.* Brooklin, Ont., May 8, 1877 (naturalized 1915); *s.* H. H. and Agnes (Burns) S.; reared on farm; *m.* Belle Elgin; *c.* Anna Rebecca, Herbert Elgin. B.S., Va. Poly. Inst., 1905; M.S., 1909.

Spencer, Damon Alvin, sr. an. husb. in chg. sheep and goat invests., Bur. An. Ind., U. S. Dept. Agr., Washington, D. C.
Instr. an. husb., Mich. Agr. Coll., 1912-4; Okla. A.&M. Coll., 1914-6; asst. prof., 1916-7; sheep ext. specialist, U. S. Dept. Agr., 1918-20.—*b.* Maple Grove, Mich., Mar. 15, 1887; *s.* Geo. and Martha Jane (Walton) S.; reared on farm; *m.* Iva Mae Coe, July 30, 1913; *c.* Virginia Coe. B.S. Mich. Agr. Coll., 1912.

Spencer, Joseph R., co. agrl. agt., Claremore, Okla.
Asst. co. agt., Kiowa Co., Okla.; instr. agr., high-sch., Copan; present position, 1920-. 2d Lieut. Infantry, World War.—*b.* Kiel, Okla., May 27, 1895; *s.* Herschel E. and Sarah (Childers) S.; reared on farm; *m.* Tracey Henson, Jan. 7, 1917; *c.* Tracey Jane. B.S., Okla. A.&M. Coll., 1918. Lambda Chi Alpha.

Spidel, George Albert, supt. schs. and instr. agr., Union Center Consolidated Sch., Liberty, Neb.
Asst. seed analyst, Colo. State Seed Lab., 1917-9; present position, 1919-.—*b.* LaJunta, Colo., Oct. 11, 1895; *s.* David and Melvina (Lucas) S.; reared on farm; *m.* Marian Frances Helm, Aug. 22, 1917. B.S., Colo. Agr. Coll., 1919. Alpha Zeta.

Spillman, William Jasper, assoc. ed. The Farm Journal, Philadelphia, Pa.
Prof. sci., Mo. State Normal, 1887-9; Vincennes Univ., 1889-91; Ore. State Normal, 1891-4; prof. agr., Wash. State Coll., 1894-1901; agrostologist, U. S. Dept. Agr., 1902-5; chief Off. Farm Manag., 1905-18; present position, 1918-. Fellow A. A. A. S. Pres. Amer. Farm Manag. Assoc. *Auth.*: Farm Grasses of the U. S.; Farm Science.—*b.* Lawrence Co., Mo., Oct. 23, 1863; *s.* Nathan Cosby and Emily P. (Pruitt) S.; reared on farm; *m.* Mattie Ramsey, May 20, 1889; *c.* Ramsay. B.S., Univ. Mo., 1886; M.S., 1889; D.Sc., Temple Univ., Philadelphia, 1907. Phi Beta Kappa; Phi Delta Theta; Alpha Zeta.

Spradlin, Brutus Augustine, co. agrl. agt., Jasper, Ark.
Pres. Mt. Home Coll., Ark., 1907-10; supt. schs., Walnut Ridge, 1911-3; co. examiner Baxter Co. and supt. schs., 1914-6. Business manag. Newton Co. Fair., 1918-9.—*b.* Ark., July 17, 1875; *s.* Augustine Asbery and Martha Anne (Hubbard) S.; reared on farm; *m.* Achazah E. Neff, Aug. 13, 1910. L.I., Univ. Ark., 1906; B.A., 1907.

Spragg, Frank Azor, research assoc. in plant-breeding, Mich. Agr. Coll., E. Lansing, Mich.
Introduced Worthy and Alexander oats, 1911, Rosen rye, 1912, Red Rock wheat, 1913, Mich. winter barley, 1914, Robust beans, 1915, Wolverine oats, 1917, Mich. 2-Row barley, 1918, Mich. hardy alfalfa, 1919.—*b.* Hazleton, Ia., Aug. 21, 1874; *s.* Ezra and Anna (Westcott) S.; reared on farm; *m.* Volo Glenn Mills, Sept. 9, 1909; *c.* Francis,

Brundage, Glenn. B.S.A., Mont. State Coll., 1902; M.S., Mich. Agr. Coll., 1906.

Sprague, Almerin Ratlo, gen. supt., Atascadero and Santa Margarita Tracts, San Louis Obispo Co., Santa Ana, Calif.
Princ. high-sch., Racine, Wis., 1881-9, and lect. state teachers inst.; prof. hist. and econ., Milwaukee high-sch., 1889-91; lect. farmers insts., Calif., 1895-9; farm adv., Orange Co., Calif. Orchardist, Fairmont, Calif., 6 yrs.; truck-grower, San Benito, Tex., 5 yrs. Pres. Rio Grande Valley Hort. Soc., 1912-4.—*b.* Genesee, Wis., Mar. 10, 1851; *s.* Almerin and Silena (Balcom) S.; reared on farm; *m.* Almira Ruggles Peck, Dec. 26, 1877; *c.* Hobart A., Helen L., Marjorie F. A.B., Beloit Coll., 1876; A.M., 1878. Beta Theta Pi.

Sprague, Harold Greene, lands. arch., 703 Youngerman Bldg., Des Moines, Ia.
Asst. prof. arch. engin. and rural structures, Ia. State Coll., 1915-9; designer farm bldgs. and fair bldgs., Pearse, Robinson & Sprague, 1919–.—*b.* Paullina, Ia., Oct., 22, 1888; *s.* Frank W. and Mary (Greene) S.; reared on farm and in city; *m.* Lydia A. Keates, May 22, 1915. B.S., Univ. Ill.

Spreiter, W. E., co. agrl. agt., Onalaska, Wis.
Instr. carpentry and forge, Mich. Agr. Coll., 1905-6; teach. farm mech. and agr., high-sch., McIntosh, Minn., 1906-7; LaCrosse Co. Agrl. Sch., 1909-17; present position, 1917–.—*b.* Concord, Minn., Sept. 6, 1879; *s.* Leonard and Elsbeth (Stucky) S.; reared on farm; *m.* Ethel Hall, Oct. 11, 1911; *c.* Wilbur Walter. Grad. Univ. Minn., 3-yr. course, 1902.

Sprenkle, Philip H., co. agrl. agt., Uniontown, Pa.
Instr. agr., high-sch., Kittanning, Pa., Apr.-Oct. 1918; present position, 1918–. (Live-stock).—*b.* Bair, Pa., Nov. 16, 1897; *s.* Albert H. and Nettie (Hamme) S.; reared on farm. B.S., Penn. State Coll., 1918. Alpha Gamma Rho.

Spring, Samuel N., prof. for., Cornell Univ., Ithaca, N. Y.
Prof. for. and head dept., Univ. Me., 1903-5; U. S. For. Serv., 1905-9, as for. asst., asst. for. insp., chief Off. For. Ext.; Conn. state for. and for., Conn. Exp. Sta., 1909-12; present position, 1912–. Mem. special comn. on taxation of woodlands, Conn., 1911; for. com., 5th Conservation Congress, 1913; com. on terminology, Soc. of Amer. For., 1916-7. Lect. Yale Univ. Sch. For., 1910-2, 1917. Y. M. C. A. serv. in France, 1918-9.—*b.* Sioux City, Ia., Feb. 5, 1875; *s.* Winthrop N. and Ellen E. (Newton) S.; reared in town; *m.* Adah E. Bowman, Nov. 29, 1900; *c.* Ernest Walker, John Bowman, Samuel Gardiner, Chas. Peter. B.A., Yale Univ., 1898; M.F., 1903.

Springer, Charles, cattleman and farmer, lawyer, Cimarron, N. Mex.
Pres. Chas. Springer Cattle Co., breeders Hereford cattle; pres. Cimarron Valley Land Co., owners Eagle Nest Reserve and Irrig. System; chm. bd. dirs., St. Louis, Rocky Mt. & Pacific Co. (coal and coke); pres. Bd. of Water Comnrs. of N. Mex.; pres. State Highway Comn.; chm. exec. com. and field sec., N. Mex. Council Defense, 1917-20; mem. Constitutional Convention, N. Mex., 1911.—*b.* Louisa Co., Ia., Dec. 19, 1857; *s.* Francis and Nancy A. (Coleman) S.; reared on farm; *m.* Mary Loraine Chase, July 1899. Student Baptist Coll., Burlington, Ia., Ia. State Univ.

Springer, Frank Stratton, sec. Amer. Berkshire Assoc. and Amer. Southdown Breeders Assoc., Springfield, Ill.
Sec. Amer. Berkshire Congress, 1916–. Mem. exec. com., Nat. Swine Growers Assoc., 1915. *Ed.*, American Berkshire Record.—*b.* Ft. Smith, Ark., Oct. 29, 1870; *s.* John G. and Frances A. (Stratton) S.; reared on farm and in city; *m.* Charlotte Bruce, July 10, 1904; *c.* Katharine Frances, John Bruce.

Sprout, Clarence David, co. agrl. agt., Meadville, Pa.
Served in U. S. Army. (Dairy husb.).—*b.* Montrose, Pa., June 15, 1892; *s.* E. Burton and Clara (Fancher) S.; reared on farm. B.S., Penn. State Coll., 1917.

Spurway, Charles Henry, asst. prof. soils, Mich. Agr. Coll., E. Lansing, Mich.
b. Watford, Ont., Feb. 26, 1883 (naturalized 1904); *s.* Thos. and Sarah

(Large) S.; reared on farm; *m.* Minnie Augusta Rie, Dec. 29, 1909; *c.* Thos. Henry. B.S., Mich. Agr. Coll., 1909; M.S.A., 1914. Alpha Zeta.

Squires, John Houston, dir. personnel div., E. I. du Pont de Neuemours & Co., Wilmington, Del.

Prof. agron., N. Mex. A.&M. Coll., 1909-11; manag. sales promotion div. and agron., E. I. du Pont de Neuemours & Co., 1911-8; dir. personnel div., 1918–. *Ed.*, Vertical Farming, 1915-7; manag. ed., DuPont Magazine, 1918.—*b.* Union Co., N. C., Jan. 19, 1882; *s.* J. B. and Mary A. (Stevens) S.; reared on farm. B.S., Va. Poly. Inst., 1905; M.S., 1906; Ph.D., Cornell Univ., 1909.

Stabler, Sydney S., co. agrl. agt., Salisbury, N. C.

Agt. Charles Co., Md., 1912-4; instr. in chg. agrl. dept., Frederick Co. high-sch., Md., and dir. farm bur., 1914-5; agt. Rowen Co., N. C., 1916–. Dir. Md. Crop Improvement Assoc., 1913; vice-pres. Md. State Bee-Keepers Assoc., 1912-3; sec.-treas. N. C. State Bee-Keepers Assoc., 1917; sec.-treas. agrl. div., Md. State Teach. Assoc., 1915-6. —*b.* Brighton, Md., July 20, 1889; *s.* August and Helen (Snowden) S.; reared on farm; *m.* Mary Cobey, Apr. 28, 1914; *c.* Sydney Snowden, Alexander Cobey. B.S., Md. Agr. Coll., 1910.

Stackhouse, James Archer, co. agrl. agt., Cape May C. H., N. J.

Teach. agr., high-sch., Somerville, N. J., 1914-5; dir. voc. sch., Cape May Co., 1915-7; co. agrl. agt., 1917–. (Soils). —*b.* Leavenworth, Kans., Mar. 6, 1887; *s.* Wm. F. and Mary E. (Shimp) S.; reared on farm; *m.* Ellen Holmes Ulrich, Aug. 28, 1915; *c.* Mary Elizabeth, Jas. A. Jr. B.S.A., Rutgers Coll., 1914. Kappa Sigma.

Stafford, Ethelbert Withrow, asst. prof. zool. and ent., Miss. A.&M. Coll., Agricultural College, Miss.

Asst., Univ. Minn., 1909-11; field work, N. J. Exp. Sta., 1911; hort. insp., Okla., 1912; on Pa. Chestnut Tree Blight Comn., 1913; hort. insp., Ill., 1914-7; present position, 1917–. (Scale insects).—*b.* Toronto, Ont., Oct. 26, 1887; *s.* Ezra Hurlburt and Ella (Withrow) S.; reared in city; *m.* Grace Kelly, Mar. 30, 1910; *c.* Grace Withrow. B.S.A., Ont. Agr. Coll., 1909. M.S., Miss. A.&M. Coll., 1914.

Stahl, Corwin Floyd, sci. asst. truck crop insect invests., U. S. Dept. Agr., Riverside, Calif.

b. McCool, Ind., Sept. 26, 1889; *s.* Martin L. and Addie (Devol) S.; reared in town; *m.* Frances Goodell, 1913; *c.* Roberta Frances. B.S., Pomona Coll., 1911.

Stakman, Elvin C., prof. and head sect. plant path., Univ. Minn., University Farm, St. Paul, Minn.

Instr. plant path., Univ. Minn., 1909-13; asst. prof., 1913-6; assoc. prof., 1916-8; prof., 1918–; head sect., Exp. Sta., 1913–. In chg. barberry eradication campaign, U. S. Dept. Agr., 1918; path. and agt. in chg. rust epidemiology studies, U. S. Dept. Agr. in coop. with Univ. Minn.; mem. War Emergency Bd., Amer. Plant Path., 1918; mem. council Phytopath. Soc., 1916-7, vice-pres., 1920. *Joint ed.*, Phytopathology. —*b.* Algoma, Wis., May 17, 1885; *s.* Frederick and Emeline (Eberhardt) S.; reared in village; *m.* Louise Jensen, 1917. B.A., Univ. Minn., 1906; M.A., 1910; Ph.D., 1913. Phi Beta Kappa; Sigma Xi; Alpha Zeta; Gamma Sigma Delta.

Staley, Frank Marcellus, teach. chem. and agr., Tuskegee Inst., Ala.

Chg. agrl. chem. and dairy ind., S. C. State Coll., Orangeburg, 1915-7; present position, 1917–. Sec. S. C. State Collegiate Country Life Club.—*b.* Americus, Ga., Dec. 11, 1890; *s.* Alfred Samuel and Ella (Jordan) S. (col.); reared on farm. A.B., Morehouse Coll., Atlanta, Ga., 1912; B.S., Cornell Univ., 1915.

Stallard, John Earl, co. agrl. agt., Waukesha, Wis.

Farmer, Edgerton, Wis., 1 yr.; farm manag., Madison, 2 yrs.; ext. work for Amer. Guernsey Cattle Club, Peterboro, N. H., 1 yr.; agrl. agt. Waukesha Co., Wis., 1917–. Advertising manag., Wis. Country Magazine; asst. ed., Guernsey Breeders' Journal, 1 yr. (Dairy cattle, farm manag.).—*b.* Fairchild, Wis., Oct. 9, 1889; *s.* J. E. and Libbie (Simons) S.; reared in town and on farm; *m.* Mary A. Wilson, Nov. 25, 1916. B.S.A., Univ. Wis., 1914. Alpha Zeta.

Stallings, James Henry, asst. prof. farm crops and soils, Ia. State Coll., Ames, Ia.

Agrst. and farm dir., Franklin Co. Agrl. High-Sch., Meadville, Miss., 1914-6; asst., Ala. Exp. Sta., summer 1916; teaching fellow, Ia. State Coll., 1917-9; present position, 1919–. In U. S. Army, 1918-9. (Soil fert.).—*b.* Bryony, Tex., Sept. 20, 1892; *s.* W. D. and Emma Elizabeth S.; reared on farm. B.S.A., Tex. A.&M. Coll., 1914; M.S., Ia. State Coll., 1917.

Stallings, Leland Stanford, co. agrl. agt., Breckenridge, Minn.

Agrst., Goshen Coll., Ind., summer 1913; dir. agr., high-sch., Stewart, Minn., 1913-4; Breckenridge, 1914-7; Blue Earth, 1917-8. Sec. Wilkin Co. Agrl. Soc. and Fair Assoc., 1919-20; sec-treas. Wilkin Co. Nat. Farm Loan Assoc., 1919-20.—*b.* Alhambra, Ill., May 30, 1890; *s.* Thos. and Mary Louisa (Pearce) S.; reared on farm; *m.* Elsie Marion Ahlers, Dec. 28, 1915; *c.* Marion Pearce. B.S., Univ. Ill., 1913.

Stange, Charles H., dean and dir vet. div., Ia. State Coll., Ames, Ia.

Asst. prof. vet. sci., Ia. State Coll., 1907-8; assoc. prof., 1908; dean vet. div., 1909–; dir. vet. invest., 1913–; dir. state biol. lab., 1913–.—*b.* Cedar Co., Ia., May 21, 1880; *s.* C. and Sophie (Richmann) S.; reared on farm; *m.* Harriet N. Beyer, Oct. 20, 1909; *c.* Elizabeth Jane. D.V.M., Ia. State Coll., 1907. Phi Kappa Phi.

Stangel, Wenzel Louis, assoc. prof. an. husb., Tex. A.&M. Coll., College Station, Tex.

Instr. an. husb., Tex. A.&M. Coll., 1916-8; assoc. prof. in chg. horses, 1918–. Sec. treas. Tex. Horse Breeders Assoc. Served in U. S. Army, 1917-8.—*b.* Stangelville, Wis., Aug. 16, 1890; *s.* John J. and Anne (Seidelglanz) S.; reared on farm and in city. B.S.A., Tex. A.&M. Coll., 1915; A.M., Univ. Mo., 1916. Gamma Sigma Delta.

Stanley, Leo Roswell, teach. agr., high-sch., Sturgis, Mich.

Teach. agr., high-sch., Colon, Mich., 1916-8; Sturgis, 1919–. 2d Lieut. Infantry, U. S. Army, 1 yr. (Hort.).—*b.* Maple City, Mich., Feb. 27, 1891; *s.* Elwood and Loretta (Chance) S.; reared on farm. B.S., Mich. Agr. Coll., 1916. Alpha Zeta.

Stanley, Louise, chm. dept. home econ., Univ. Mo., Columbia, Mo.

Instr. home econ., Univ. Mo., 1907-11; asst. prof., 1911-3; assoc. prof., 1913–; prof., 1918–; chm. dept., 1910–. Del. to Intern. Conference of Home Econ. Teaching, Ghent, Belgium, 1913. (Chem. of foods).—*b.* Nashville, Tenn., June 8, 1883; *d.* G. A. and Eliza Monroe (Winston) S.; reared on farm. B.S., Univ. Nashville, 1903; B.Ed., Univ. Chicago, 1906; M.A., Columbia Univ., 1907; Ph.D., Yale Univ., 1911. Pi Lambda Theta.

Stanton, Charles Harmon, terracing and drainage expert, Owensboro Ditcher and Grader Co., Owensboro, Ky.

Teach. farm mech., Bolton Coll., Tenn., 1913-4; instr. agr., Lowe's Grove Farm Life Sch., Durham, N. C., 1914-5; Sandhill Farm Life Sch., Pinehurst, N. C., 1915-7; agrl. agt., Franklin Co., N. C., 1918-9; present position, 1919–.—*b.* Clio, S. C., July 20, 1892; *s.* Benj. Franklin and Janie (Moody) S.; reared on farm; *m.* Mary Ganella, May 3, 1917. B.S., Clemson Agr. Coll., 1912.

Stanton, Thomas Ray, asst. agron., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Asst. agron., Md. Exp. Sta., 1911; sci. asst. in chg. cereal invests., Arlington Farm, Va., 1912-4; sci. asst. in oat invests., U. S. Dept. Agr., 1915-9; asst. agron. in oat invests., 1920–.—*b.* Grantsville, Md., Sept. 23, 1885; *s.* Wm. T. and Anna (Durst) S.; reared on farm; *m.* Pearl Marguerite Gude, Oct. 23, 1913; *c.* Wm. Alexander. B.S.A., Md. Agr. Coll., 1910.

Starcher, George Columbus, prof. hort. and state hort., Ala. Poly. Inst., Auburn, Ala.

Asst. prof. hort., Va. Poly. Inst. and Exp. Sta., 1910-5; assoc. prof., 1915-7; present position, 1917–. Sec. W. Va. State Poultry Assoc. Practical fruit-grower, 7 yrs.—*b.* Weston, W. Va., June 17, 1880; *s.* Wm. Stockton and Rebecca Elizabeth (Lawson) S.; reared on farm; *m.* Lillian Ballard Smith, Oct. 16, 1911; *c.* Geo. C. Jr., Lillian Louise. B.S.A., W. Va. Univ., 1910. Sigma Nu.

Stark, Elsie, home dem. agt., Box 47, Bismarck, N. D.

In chg. home econ. dept., Chatfield associated schs., Minn., 1915-7.—*b.* Glen Ullin, N. D., Mar. 10, 1893; *s.* Geo. A. and Anna J. (Knox) S.; reared on farm and in town. B.S., N. D. Agr. Coll., 1915. Phi Upsilon Omicron; Phi Kappa Phi.

Stark, Paul Clarence, treas. Stark Bros. Nurseries & Orchards Co., Louisiana, Mo.

Auth.: Stark Orchard Book, 1912; Stark Orchard and Spray Book, 1914; Secrets of Ornamental Planting, 1916. *Assoc. ed.*, American Fruit Grower. Invest. nursery conditions of France. —*b.* Louisiana, Mo., July 20, 1891; *s.* Clarence McDowell and Lilly (Crow) S.; reared in town and on farm; *m.* Theodosia Barnett, Sept. 6, 1916; *c.* Paul C. Jr., Theodosia. B.S. in Agr., Cornell Univ., 1912. Alpha Tau Omega.

Starr, Chester G., co. agrl. agt., Pekin, Ill.

Asst., Purdue Univ., 1914-7; assoc. in chg. an. husb. exptl. work, 1917-8; agrl. agt. Tazewell Co., Ill., 1918–.—*b.* Carey, O., Feb. 9, 1885; *s.* Jas. H. and Hattie L. (Gibbs) S.; reared on farm; *m.* Nettie Glore, Feb. 7, 1912; *c.* Chester G. Jr. B.S., Univ. Mo., 1906.

Starr, Silas Henry, dir. Coastal Plain Sta., Tifton, Ga.

Teach. Bolton Coll., 1910-3; asst. princ. agrl. high-sch., Brunswick, Tenn., 2 yrs.; princ., 2 yrs.; formerly adj. prof. farm manag., Univ. Ga.—*b.* Starrsville, Ga., Apr. 3, 1888; *s.* J. A. and Mattie (Elliot) S.; reared on farm. B. S.A., Univ. Ga., 1910.

Starratt, Frank Aubrey, prof. theol., Colgate Univ., Hamilton, N. Y.

Farmer and preacher, Tex., 1898-1901. Mem. Com. on Church and Country Life, Fed. Council of Churches of Christ of Amer. (Rural church).—*b.* Nova Scotia, Feb. 7, 1865; *s.* Geo. and Emily (Dugwell) S.; reared on farm; *m.* Alice A. Rowley, 1894; 2d, Florence A. Seaborne; *c.* Edith E. B.A., Acadia Univ., 1892; D.D., 1912.

Starring, George Arthur, asst. to manag. dir., Agrl. Publishers Assoc., 76 W. Monroe St., Chicago, Ill.

Instr. commerce, high-sch., Sioux City, Ia., 1909-10; prof. commerce, S. D. State Coll., 1910-2; ed. publications and prof. agrl. journalism, 1912-20; present position, 1920–. Publicist for State Bd. Agr., 1911-6. (Agrl. publicity). —*b.* Princeton, Ill., July 13, 1882; *s.* Geo. H. and Lida Fox (Tedman) S.; reared in town; *m.* Grace June Martin, July 1910; *c.* Geo. Martin, Mary Jean. A.B., Huron Coll., 1907; grad. student Univ. Chicago, 1 yr.

Stebbins, Murray Edgar, co. agrl. agt., Glasgow, Mont.

b. Pine Isl., Minn., Sept. 3, 1887; *s.* C. L. and Minnie Jane S.; reared on farm; *m.* Minnie J. Stebbins, Sept. 3, 1912; *c.* Mern Parkin, Clifton Lyle. B.S., N. D. Agr. Coll., 1916. Phi Kappa Phi; Alpha Zeta.

Stedman, John Moore, farmers inst. specialist, States Relations Serv., U. S. Dept. Agr., Washington, D. C.

Instr. ent. and invert. zool. and asst. ent. Exp. Sta., Cornell Univ., 1888-90; biol., U. S. Dept. Agr., 1890-1; prof. biol., Trinity Coll., Durham, N. C., 1891-3; prof. biol. and biol. Exp. Sta., Ala. Poly. Inst., 1893-5; prof. ent. and ent. Exp. Sta., Univ. Mo., 1895-1909; with U. S. Dept. Agr., 1909–. Traveled in trop. Amer., Europe, Asia, Africa.—*b.* Brockport, N. Y., Nov. 2, 1864; *s.* Geo. L. and Mary (Moore) S.; reared in village; *m.* Edith Van Aiken, July 1, 1888; *c.* Barbara Mary, Lulu Rachel. B.S., Cornell Univ., 1888. Sigma Xi.

Steele, Lawrence John, co. agrl. agt., Albion, N. Y.

Teach. agr., Holley high-sch., N. Y., 1915-7; agt. Orleans Co., 1917–.—*b.* Bergen, N. Y., June 22, 1891; *s.* John N. and Myrtle P. (Bowers) S.; reared on farm; *m.* Marjorie G. Hatch, Aug. 1, 1918. B.S., Cornell Univ., 1915. Alpha Gamma Rho.

Steelman, Lloyd Wesley, poultry specialist, Penn. State Coll., State College, Pa.

Superv. agr., public schs., Atlantic City, N. J., Apr.-Aug. 1917; sci. asst., poultry dept., Bur. An. Ind., U. S. Dept. Agr., 1917-8; present position, 1919–. In Sanitary Corps, U. S. Army, 1918-9.—*b.* Newtown, O., Aug. 16, 1894;

s. Wesley and Mary (Meyers) S.; reared on farm. B.S., Cornell Univ., 1917; M.S., 1919.

Steen, Herman, manag. ed., Prairie Farmer, 223 W. Jackson Blvd., Chicago, Ill.
Farm ed., Des Moines Register, 1915-6; present position, 1916–.—*b.* Menlo, Ia., May 28, 1893; *s.* Frederick D. and Mary P. (McCune) S.; reared on farm; *m.* Georgia V. Springer, Dec. 19, 1918. B.S., Ia. State Coll., 1914. Alpha Zeta; Sigma Delta Chi.

Steenbock, Harry, prof. agrl. chem., Univ. Wis., Madison, Wis.
Asst. agrl. chem., Univ. Wis., 1908-10; instr., 1910-2, 1913-6; asst. prof., 1916-7; assoc. prof., 1917-9; prof., 1919–. Traveled Europe and Mexico.—*b.* Charleston, Wis., Aug. 16, 1886; *s.* Henry and Christine (Oesau) S.; reared on farm. B.S., Univ. Wis., 1908; M.S., 1910; Ph.D., 1916; studied Berlin Univ. and Yale Univ. Sigma Xi; Phi Sigma Kappa; Alpha Zeta; Gamma Alpha; Alpha Chi Sigma; Phi Lambda Upsilon.

Steinel, Alvin Theodore, managing ed., Western Farm Life, 1518 Court Place, Denver, Colo.
Manag. ed., Wichita, Kans., Beacon, 1903-4; ed. St. Joseph, Mo., Star, 1905-6; city ed., Rocky Mt. News, Denver, 1907; ed., The Southwest Trail, Chicago, 1911-2; general immigration agt., Chicago, Rock Island and Pacific Ry., 1913-4; present position, 1915–. (Dry-farming).—*b.* Burlington, Wis., Mar. 26, 1873; *s.* Conrad Michael and Marie Sibilla (Schreiber) S.; reared on farm and in town; *m.* Dora Elizabeth Gross, Oct. 20, 1901; *c.* Loyal Matthew.

Stelzenmuller, George Vaughn, co. agrl. agt., Bay Minette, Ala.
Field agt. hort., Ala. Exp. Sta., 1913-6; agt. Baldwin Co., 1916–.—*b.* Point Clear, Ala., Oct. 23, 1887; *s.* Wm. and Mary Alice (Street) S.; reared on farm; *m.* Alma Bertha Herdler, June 16, 1915; *c.* Geo. V. Jr. B.S., Ala. Poly Inst., 1913. Phi Kappa Phi.

Stemmons, Walter, agrl. ed., Conn. Agr. Coll., Storrs, Conn.
Manag. ed., Joplin News Herald, Mo., 1909-10, 1912; ed. publications, Okla. A.&M. Coll., 1913-8; present position, 1918–.—*b.* Avilla, Mo., Dec. 17, 1884; *s.* J. B. and Margaret (Campbell) S.; reared on farm; *m.* Lora Davis, Nov. 25, 1909; *c.* Ralph, Robt. B.S., Univ. Mo., 1912.

Stemple, Forrest Wilbur, prof. agron. and agron. Exp. Sta., W. Va. Univ., Morgantown, W. Va.
Teach. W. Va. Normal, W. Liberty, 1908-9; asst. princ. high-sch., Morgantown, 1909-11; head sci. dept., W. Va. Univ. Preparatory Branch, Montgomery, 1911-3; instr. agron., Ohio State Univ., 1914-6; present position, 1916–. *Joint auth.*: Laboratory Manual Cereal and Forage Crops, 1915.—*b.* Aurora, W. Va., Dec. 10, 1881; *s.* D. C. and Ida (Trotter) S.; reared on farm; *m.* Grace Townsend, 1909; *c.* Alice Elizabeth, Margaret Ida. A.B., W. Va. Univ., 1908; M.S., Univ. Wis., 1914. Phi Kappa Psi.

Stene, Andrew Edward, state ent. and dir. ext. serv., R. I. State Coll., Kingston, R. I.
Princ. schs., Ashby, Minn., 1898-1901; asst. hort., R. I. State Coll., 1903-4; supt. ext. dept., 1904-14; dir. ext. serv., 1914–; nursery insp., R. I. State Bd. Agr., 1903-10; supt. gypsy and brown-tail moth work, 1906-10; state ent., 1910–. Chm. Eastern States Ext. Workers Assoc., 1916. Traveled in Europe, 1902.—*b.* Ashby, Minn., Aug. 14, 1872; *s.* John and Mary (Efskind) S.; reared on farm; *m.* Edith Lincoln Kennison, Aug. 15, 1911; *c.* Ruth Mary, John Kennison. B.S.A., Univ. Minn., 1897; M.S.A., Cornell Univ., 1902. Phi Kappa Phi.

Stephens, David Edmund, supt. Cereal Field Sta., Moro, Ore.
Instr., Utah Agr. Coll., 1906-7; asst. prof., 1908-9; exec. asst., U. S. Dept. Agr., 1909-12; supt. field sta., 1912–.—*b.* Malad, Ida., May 15, 1879; *s.* Thos. and Emma (Morgan) S.; reared on farm; *m.* Kate Izatt, 1906; *c.* Edmund, Thos., Emmajean, Janet. B.S., Utah Agr. Coll., 1904.

Stephens, Paul, ed. American Farming, 537 S. Dearborn St., Chicago, Ill.
Journeyman printer, 1900; city ed. Independent, Murphysboro, Ill., 1905-6; city ed. Republican-Era, Murphysboro, 1908-9; city ed. Durant News, Okla.,

1909; telegraph ed., Dallas Morning News, Dallas, Tex., 1909-10; ed. Daily Democrat, Durant, Okla., 1910; special writer for papers, 3 yrs.; city ed. Daily Gazette, Champaign, Ill., 1913-6; ed. American Farming, 1916–. *Auth.*: How Millions are Spent to Produce Billions. —*b.* Murphysboro, Ill., Dec. 31, 1879; *s.* Richard J. and Adeline Mary (Gall) S.; reared in town; *m.* Elizabeth L. Armm, Feb. 19, 1900; *c.* Pauline E., Edith M., John E., Paul D.

Stephens, Philip H., co. agrl. agt., Upland, Neb.

b. Westfield, N. Y., Feb. 17, 1896; *s.* Geo. W. and Carrie E. (Holcomb) S.; reared on farm.

Stevens, Alva True, prof. gardening, Conn. Agr. Coll., Storrs, Conn.

Asst. agr., Mich. Agr. Coll., 1893-5; prof. agr. and hort., A.&M. Coll. for colored race of N. C., Greensboro, N. C., 1895-8; fruit-grower, 1898-1906; instr. hort., Conn. Agr. Coll., 1907-18; prof. gard., 1918–. Pres. Conn. Pom. Soc.; co. vice-pres. Conn. Veg. Growers Assoc. —*b.* Ingham Co., Mich., Aug. 17, 1863; *s.* W. F. and Samantha M. (True) S.; reared on farm; *m.* Orpha Jane Smith, Sept. 12, 1895; *c.* Helen L. B.S., Mich. Agr. Coll., 1893; M.S., 1908.

Stevens, Frank Lincoln, prof. plant path., Univ. Ill., Urbana, Ill.

Instr. path., N. C. A.&M. Coll., 1901-2; prof. bot. and veg. path. and path. Exp. Sta., 1902-12; dean A.&M. Coll. of Univ. Porto Rico, 1912-4; present position, 1914–. Fellow A. A. A. S.; fellow N. C. Acad. Sci. Pres. Amer. Phytopath. Soc., 1910; vice-pres. Amer. Nature-Study Soc., 1908. *Joint auth.*: Agriculture for Beginners; The Hill Readers, 1906; Practical Arithmetic, 1909; Diseases of Economic Plants, 1910. *Auth.*: The Fungi That Cause Plant Disease. *Assoc. ed.*, Phytopathology; Journal of Bacteriology.—*b.* Syracuse, N. Y., Apr. 1, 1871; *s.* H. B. and Helen C. (Lincoln) S.; reared on farm; *m.* Adeline T. Chapman, June, 1897. B.L., Hobart Coll., 1891; B.S., Rutgers Coll., 1893; M.S., 1897; Ph.D., Univ. Chicago, 1900. Sigma Xi.

Stevens, Harold Edwin, plant path., Fla. Exp. Sta., Gainesville, Fla.

Field asst. bot., Ky. Exp. Sta., 1906; agrl. insp., Bur. Agr., Philippines, 1907-8; asst. plant path., Ark. Exp. Sta., 1910-1; present position, 1912–.—*b.* Pruitt, Ky., Mar. 29, 1880; *s.* Chas. T. and Julia E. (Mendenhall) S.; reared on farm; *m.* Ella Maie Crawford, Sept. 12, 1911. B.S.A., Univ. Ky., 1906; M.S., Univ. Ill., 1910.

Stevens, Harry Gould, co. agrl. agt., St. Clairsville, O.

In chg. dairy herd, Lima, O., 1915-6; agt. dairying, Purdue Univ., 1916-8; present position, 1918–. (Dairying).—*b.* Orwell, O., Jan. 1, 1889; *s.* Justin F. and Ruth R. (Gould) S.; reared on farm; *m.* Esther I. Price, Jan. 21, 1919. B.S.A., Ohio State Univ., 1915.

Stevens, Neil Everett, path., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Instr. plant path., Kans. State Agr. Coll., 1911-2. (Diseases of small-fruits). —*b.* Portland, Me., Apr. 6, 1887; *s.* Thos. J. and Hattie (Mantle) S.; reared on farm and in city; *m.* Maude Bradford, Aug. 31, 1914; *c.* Russell B., Carl M. B.A., Bates Coll., 1908; Ph.D., Yale Univ., 1911. Sigma Xi.

Stevens, Ralph Tallant, asst. prof. lands. gard., Univ. Calif., Berkeley, Calif.

With O. C. Simonds & Co., Chicago, 1905-7; Calif. Nursery Co., Niles, 1907-8; S. Calif. Acclimatization Assoc., Santa Barbara, 1908-10; MacRorie-McLaren Co., San Francisco, 1910-3; present position, 1913–; (on leave) practicing lands. gard., Santa Barbara, 1917–.—*b.* Santa Barbara, Calif, Dec. 15, 1882; *s.* Kinton R. and Lucy C. (Tallant) S.; reared in suburbs. B.S., Mich. Agr. Coll., 1905.

Stevenson, George H., exec. dir. and business manag. sales organization, Md. Tobacco Growers Assoc., Baltimore, Md.

Farm loan land appraiser for private bank, Omaha, Neb., 1906-7; expert in agrl. ext., U. S. Dept. Agr., 1915-6; formerly pres. Fed. Land Bank, Baltimore. Sec. O. State Conservation Comn., 1911. General manag. of Nat. Corn Expos., 1910-3. Farm operator. —*b.* Lincoln, Neb., Oct. 24, 1885; *s.* Geo. H. and Carrie (Blanchard) S.; reared on farm; *m.* Rachel Burbank, 1912; *c.* Geo. H. Jr., Eleanor.

Stevenson, James Roe, farmer, Cayuga, N. Y.

Mem. Mass. Fish Comn. on clam invests., 1906-7. (Apples).—*b.* Pottstown, Pa., June 28, 1882; *s.* Halsey B. and Nellie M. (Roe) S.; reared in village; *m.* Grace Ide Fairchild, Mar. 9, 1909; *c.* Halsey Bidwell, Hope, Arthur Fairchild. B.A., Williams Coll., 1905. Phi Beta Kappa.

Stevenson, James Vail, farmer, Streator, Ill.

Asst. agrl. ext., Univ. Ill., 1913. Pres. Ill. Corn Growers and Stockmans Convention, 1918.—*b.* LaSalle Co., Ill., Nov. 12, 1889; *s.* Ernest E. and Manie (Vail) S.; reared on farm; *m.* Lucile Needham, Oct. 12, 1916; *c.* Margaret Ruth. A.B., Univ. Ill., 1912; B.S., 1913. Chi Beta.

Stevenson, Lionel, supt. expl. sta., Saanichton, Vancouver Isl., B. C.

Prof. agr., N. S. Agr. Coll., 1912-3. Pres. Seed Growers Assoc. of B. C., 1918.—*b.* Ancaster, Ont., Apr. 3, 1879; *s.* R. S. and Alice A. (Harrington) S.; reared on farm; *m.* Mary P. Blair, Sept. 17, 1914; *c.* Mary Adele, Evelyn Blair. B.S.A., Ont. Agr. Coll. and Toronto Univ., 1912; M.S., Univ. Ill., 1914.

Stevenson, William Henry, prof. farm crops and soils, chief in agron. in chg. State Soil Survey and vice-dir. Exp. Sta., Ia. State Coll., Ames, Ia.

Prof. soils, Ia. State Coll., 1902-10; prof. agron., 1910-4; prof. farm crops and soils, 1917–; in chg. Soil Survey, 1914–; vice dir. Exp. Sta., 1912–. Mem. Ia. State Drainage, Waterways and Conservation Comn., 1908-10; sec. Ia. State Drainage Assoc., 1904-14. *Auth.*: Soil Physics Laboratory Guide, 1905.—*b.* Freeport, Ill., Sept. 4, 1872; *s.* Henry Staley and Louise (Rosentiel) S.; reared on farm; *m.* Rosaltha Coffin Scott, June 29, 1904. A.B., Univ. Ill., 1893; B.S.A., Ia. State Coll., 1905. Pi Kappa Alpha; Alpha Zeta; Gamma Sigma Delta; Phi Kappa Phi; Phi Lambda Upsilon.

Stewart, Charles Leslie, prof. econ. and sociol., Univ. Ark., Fayetteville, Ark.

Instr. econ., Univ. Ill., 1915-8; present position, 1918–. Chm. com. on rural credits, Amer. Assoc. for Agrl. Legislation. Traveled in Europe, 1914. *Auth.*: An Analysis of Rural Banking Conditions in Illinois, 1914; Land Tenure in the United States with Special Reference to Illinois, 1916. (Agrl. econ.).—*b.* Moweaqua, Ill., Sept. 3, 1890; *s.* Jas. Gray and Tryphena Margaret (Brooks) S.; reared on farm; *m.* Ruth Want, Aug. 12, 1916; *c.* Mary Margaret, C. L. Jr. A.B., Ill. Wesleyan Univ., 1911; A.M., Univ. Ill., 1912; Ph.D., 1915; Phi Eta; Beta Gamma Delta; Pi Kappa Delta; Kappa Delta Pi; Delta Phi.

Stewart, Fred, co. agrl. agt., Athens, Ala.

Instr. field crops, Tex. A.&M. Coll., 1913-4; agt. Limestone Co., Ala., 1914–—*b.* Centerville, Ala., May 1, 1889; *s.* W. T. and Rachel R. S.; reared on farm; *m.* Inez Mae McCraw, July 29, 1914; *c.* Eugene C., Clifford, Harrold. B.S., Ala. Poly. Inst., 1911. Delta Pi Sigma.

Stewart, Fred Carlton, bot., N. Y. Agr. Exp. Sta., Geneva, N. Y.

Asst. bot., Ia. State Coll., 1891-4; present position, 1894–. Fellow A. A. A. S. (Plant path.).—*b.* Clymer, N. Y., Feb. 13, 1868; *s.* Almeron L. and Charlotte E. (Hubbard) S.; reared on farm; *m.* Alene Chestek, Nov. 20, 1895; *c.* Harland H., Ralph W., Hermine, Charlotte A., Mayalene. B.Sc., Ia. State Coll., 1892; M.Sc., 1894.

Stewart, George, prof. agron. and in chg. field crop invests. Exp. Sta., Utah Agr. Coll., Logan, Utah.

Instr. agron., Utah Agr. Coll., 1913-6; asst. prof., 1917-8; assoc. prof., 1919-20; prof., 1920–. *Auth.*: Principles of Agronomy, 1915; ed. and co-auth. Western Agriculture, 1918.—*b.* Tooele, Utah, Nov. 7, 1888; *s.* Wm. G. and Ellen (Speirs) S.; reared on farm; *m.* Wynona Barber, Sept. 5, 1918. B.S., Utah Agr. Coll., 1913; M.S., Cornell Univ., 1918. Gamma Sigma Delta; Phi Kappa Phi.

Stewart, George Ferguson, farmer, Gilby, N. D.

Manag. Stewart Farms, 1915-6; supt. schs., Gilby, 1916-9.—*b.* Gilby, N. D., June 22, 1892; *s.* John Ferguson and Mary (Hamilton) S.; reared in country; *m.* Pearl McKechnie, Aug. 2, 1916; *c.* Douglas Hamilton, Margaret Janette. B.S.A., N. D. Agr. Coll., 1915. Alpha Zeta; Phi Kappa Phi.

Stewart, Harold Wilson, asst. prof. soils, Univ. Wis., Madison, Wis.

Asst. soil survey, Ill. Exp. Sta., 1909-12; assoc. soil physics, Univ. Ill., 1912-5; present position, 1915-. (Soil physics). —*b.* Hebron, Ill., July 3, 1886; *s.* Richard Henry and Mary Ada (Wilson) S.; reared on farm; *m.* Margery Ada Nichols, Dec. 28, 1910; *c.* Richard Henry, Wilson Nichols. B.S., Univ. Ill., 1909. Sigma Xi; Alpha Zeta; Phi Sigma Kappa.

Stewart, James Henry, comnr. agr., Charleston, W. Va.

Dir. W. Va. Exp. Sta., 1897-1912. —*b.* Raymond City, W. Va., June 20, 1859; *s.* James and Martha Jennings (Staton) S.; reared on farm; *m.* Minnie L. Vance. B.S., W. Va. Univ., 1882; LL.B., 1885. Phi Sigma Kappa.

Stewart, John Pogue, fruit-grower and hort. adv., Milton, Pa.

Teach. nature-study and bot., Ill. State Normal, 1903-6; prof. expl. pom., Penn. State Coll., 1907-18. Fellow A. A. A. S. (Fertilization and spraying of orchards).—*b.* Biggsville, Ill., June 1, 1876; *s.* Jas. Gibson and Maria Louisa (Pogue) S.; reared on farm; *m.* Isabella Stuart Montgomery, Sept. 10, 1913; *c.* Mary Louise. A.B., Univ. Ill., 1902; M.S.A., Cornell Univ., 1903; Ph.D., 1911. Sigma Xi; Gamma Alpha; Alpha Zeta.

Stewart, John Truesdale, prof. and chief div. agrl. engin., Univ. Minn., University Farm, St. Paul, Minn.

Field asst., U. S. Geol. Survey, 1898-1903; drainage engin., U. S. Dept. Agr., 1904-8; present position, 1908-. Major Engineers, U. S. Army, 1917-8; Lieut.-Col., 1918-9. (Drainage).—*b.* Loda, Ill., Jan. 13, 1868; *s.* Wm. R. and Nancy (Barr) S.; reared on farm; *m.* Ida B. Wilson, Jan. 1, 1900. B.S., Univ. Ill., 1893; C.E., 1909. Sigma Xi; Tau Beta Pi; Alpha Zeta.

Stewart, Lloyd Leland, asst. prof. poultry husb., Ia. State Coll., Ames, Ia.

Dir. an. husb., Gary public schs., Ind., 1915-6; instr. poultry husb., Mass. Agr. Coll., 1916-8; present position, 1919-. Served in A. E. F.—*b.* Darlington, Ind., Jan. 2, 1893; *s.* A. M. and Adda (Jones) S.; reared on farm. B.S.A., Purdue Univ., 1915.

Stewart, Milton Melvin, invest., Bur. Markets, U. S. Dept. Agr., Washington, D. C.

1st. Lieut., Quartermasters' Corps, U. S. Army, 1918-9.—*b.* Baltimore, Md., Aug. 6, 1885; *s.* David B. and Susan (Melvin) S.; reared in city; *m.* Anna Pearl Griffin, Jan. 2, 1915; *c.* Dorothy Melvin. Student Baltimore Poly. Inst., 3 yrs.

Stewart, Paul H., ext. specialist agron., Univ. Neb., Lincoln, Neb.

Instr. agron., Univ. Neb., 1917; co. agrl. agt., Buffalo Co., Neb., 1918-9. —*b.* Kennard, Neb., May 7, 1893; *s.* Sam W. and Lucy (Downing) S.; reared on farm; *m.* Mar. 12, 1918. B.S., Univ. Neb., 1916. Alpha Zeta.

Stewart, Robert, prof. soil fert., Univ. Ill., Urbana, Ill.

Asst. chem., Utah Exp. Sta., 1902-5; asst. prof. chem., Utah Agr. Coll., 1905-7; prof., 1908-15; asst. dir. Exp. Sta., 1909-15; present position, 1915-. Sergeant Utah Light Artillery, Philippine Isls., 1898-9.—*b.* American Fork, Utah, Aug. 16, 1877; *s.* Jas. and Sarah Ann (Woodhead) S.; reared on farm; *m.* Jane E. Gordon, Dec. 24, 1900; *c.* Lorena, Gordon, Robt. V., Marjorie. B.S., Utah Agr. Coll., 1902; Ph.D., Univ. Ill., 1909. Sigma Xi; Alpha Delta Rho.

Stewart, Rolland Maclaren, prof. rural educ., Cornell Univ., Ithaca, N. Y.

Prof. educ. and psychology, Graceland Coll., Lamoni, Ia., 1904-8; pres., 1905-8; asst. educ., State Univ. Ia., 1908-11; instr., 1911; asst. prof., 1911-8; present position, 1918-; acting ed. Cornell Rural Sch. Leaflet, 1918-9. *Auth.*: Cooperative Methods in the Development of School Support in the United States, 1914.—*b.* Winslow, Ill., Nov. 27, 1878; *s.* Jas. Alexander and Amanda (Rayhorn) S.; reared on farm; *m.* Hattie Roxanna Phillips, Dec. 22, 1904; *c.* Harold Philips, Ralph Wentworth. B.A., State Univ. Ia., 1904; B.Di., 1906; Ph.D., 1912. Phi Beta Kappa; Phi Delta Kappa.

Stewart, Rupert Lyonel, prof. agron. and agron. Exp. Sta., N. Mex. A.&M. Coll., State College, N. Mex.

Asst. agron., N. Mex. A.&M. Coll., 1911-3; asst. an. husb., Mar.-June 1915;

asst. prof. agron., 1915-6; prof., 1916–; Sta. agron., 1917–; acting dean agr., 1916-7.—*b.* New Florence, Mo., July 15, 1890; *s.* S. P. and Eva (Davis) S.; reared on farm; *m.* Vernice Norma Bowers, June 5, 1917. B.S.A., N. Mex. A.&M. Coll., 1911; M.S.A., Cornell Univ., 1914.

Stewart, Russell A., co. agrl. agt., Battle Creek, Neb.
Teach. grade schs., 3 yrs.; teach. agr., high-sch., Holdrege, Neb., 3 yrs.—*b.* Cortland, Neb., Aug. 5, 1888; *s.* Chas. E. and Rosa (Day) S.; reared on farm; *m.* Pauline Aden, Aug. 31, 1911; *c.* S. Grant, Pauline Adene. Student Univ. Neb., 1913-6. Alpha Zeta.

Stewart, Vern B., path., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.; 1888-Dec. 3, 1918. See Rus 1918.

Stewart, Wilbur Filson, prof. and state superv. agrl. educ., Ohio State Univ., Columbus, O.
Asst. prof. agrl. educ., Univ. Wis., 1914; instr. agr., Tracy, Minn., 1914-7; asst. prof. agrl. educ., Ohio State Univ., 1917-8; prof., 1918–; state superv. agrl. educ., 1917–.—*b.* W. Hallock, Ill., June 28, 1885; *s.* Hugh C. and Alice (Leech) S.; reared on farm; *m.* Miriam E. Post, June 1917; *c.* Vivian Elizabeth. A.B., Milton Coll., 1909; M.S., Univ. Wis., 1914.

Stewart, William James, ed. Horticulture, Winchester, Mass.; 1849—Feb. 23, 1919. See Rus 1918.

Stiles, Charles Francis, apiarist, Stillwater, Okla.
Chg. apiary, Miss. A.&M. Coll., 1913; instr. ent. and zool., Univ. Ky., 1913-6; special field agt. in bee culture and ent., U. S. Dept Agr., 1917-9. Private U. S. Army, 1917.—*b.* Starkville, Miss., Feb. 14, 1891; *s.* John F. and Chas. Turnbull (Cameron) S.; reared on farm; *m.* Lottie Altizer, Sept. 4, 1918. B.S.A., Miss. A.&M. Coll., 1911; student Ohio State Univ., 1911-2.

Stiles, I. G., co. agrl. agt., Litchfield, Minn.
Asst. co. agrl. agt., Cortland Co., N. Y., 1915; teach. agr., New Berlin, N. Y., 1916-7; agt. Meeker Co., Minn., 1919–. 1st. Lieut., Motor Transport Corps, U. S. Army, 1917-9; served with A. E. F.—*b.* Burlington, N. Y., Mar. 25, 1891; *s.* Andrew and Eva (Gregory) S.; reared on farm. B.S., Cornell Univ., 1915. Theta Alpha.

Stiles, J. C., co. agrl. agt., Ashland, Va.
Mem. Va. Crop Pest Comn., 1904-9; prof. agr. and sci., Chester Agrl. High-Sch., Chester, Va., 1909-13.—*b.* Elliston, Va., Sept. 13, 1883; *s.* E. W. and Rosa B. (Wamach) S.; reared on farm; *m.* Virginia Clay Robertson, 1913; *c.* 2 daughters. B.S., Va. Poly. Inst.

Stiles, Robert M., co. agrl. agt., Hathorne, Mass.
Co. agrl. agt., Somerset Co., Me., to 1919; instr. an. husb., Essex Co. Agrl. Sch., 1919-20; agt. Essex Co., 1920–.—*b.* Jackson, Me., Jan. 28, 1891; *s.* Mark S. and Elizabeth J. (Hanson) S.; reared on farm. B.S., Univ. Me., 1914. Phi Eta Kappa.

Stille, Lillian Tetts, home dem. agt., Many, La.
b. Lincoln Parish, La., Mar. 31, 1878; *d.* J. A. and Charitie (Crosby) Tetts; reared on farm; *m.* E. O. Stille, Nov. 14, 1900; *c.* Zelma. Student La. Ind. Inst.

Stillwell, Edwin William, asst. truck crop specialist for Pacific Coast, U. S. Bur. Crop Estimates, 508 Custom House, San Francisco, Calif.
Asst. fruits and vegetables, Market News Serv., U. S. Bur. Markets, 1917-9; present position, 1919–.—*b.* Rockford, Ill., Nov. 10, 1893; *s.* Chas. Wesley and Elizabeth Sophia (Keefe) S.; reared in city. B.S., Ia. State Coll., 1917. Lambda Tau Alpha; Phi Kappa Phi; Alpha Zeta; Gamma Sigma Delta.

Stilwell, Mary Elizabeth, home dem. agt., Virginia, Minn.
Instr. home econ., high-sch., Swarthmore, Pa., 1912-4; Germantown, 1915-6. —*b.* Tombstone, Ariz., May 7, 1886; *d.* Wm. H. and Harriet (Bean) S.; reared in country. B.S., St. Lawrence Univ., 1912; grad. student Columbia Univ., 1913-6. Phi Beta Kappa; Pi Beta Phi.

Stine, Oscar Clemen, asst. farm econ., Off. Farm Manag., U. S. Dept. Agr., Washington, D. C.
Teach. high-schs., 1908-13; asst. agrl. econ., Univ. Wis., 1914-6. Mem.

exec. com., Agrl. Hist. Soc.—*b.* Sandyville, W. Va., Nov. 13, 1884; *s.* Thos. and Emily Josephine (Boggess) S.; reared on farm; *m.* Ruth Speerstra, June 30, 1919. Ph.B., Ohio State Univ., 1908.

Stinson, Chester C., co. agrl. agt., Ryan, Okla.

Manag. stock farm, 1 yr.; co. agrl. agt. Jefferson Co., Okla., 1916–. Sec. Jefferson Co. Improved Breeders and Seed Growers Assoc.; sec. Jefferson Co. Farm Council.—*b.* Center, Ala., Mar. 19, 1889; *s.* John W. and Ida F. (Brannin) S.; reared on farm; *m.* Clara Davidson, Aug. 26, 1915; *c.* Kenneth Eldrid, Loyd Winston. B.S., Okla. A.&M. Coll., 1914; student Ia. State Coll.

Stinson, John Turner, sec. Southeast Mo. Agrl. Bur., Sikeston, Mo.

Prof. hort. and hort. Exp. Sta., Univ. Ark., 1891-1900; dir. Mo. Fruit Exp. Sta., 1900-3; supt. pom., St. Louis Expos., 1903-4; agrl. agt., Mo. Pacific Ry., 1904-7; sec. Mo. State Fair, 1908-14; sec. St. Louis Agrl. Fair, 1915-6; ext. serv., Univ. Mo., 1917; sec. Nat. Swine Growers Assoc., 1918-9.—*b.* Pierceton, Ind., Sept. 5, 1865; *s.* A. D. and Elizabeth (Doke) S.; reared on farm; *m.* Robbie Trott, Aug. 15, 1894; *c.* Rebecca, Benj. A., Ruth, John T. Jr. B.Sc., Ia. State Coll., 1890. Kappa Alpha.

Stoa, Theodore E., asst. agron., Exp. Sta., Agricultural College, N. D.

Formerly sci. asst., Bur. Plant Ind., U. S. Dept. Agr.—*b.* Buxton, N. D., Jan. 30, 1890; *s.* Elling and Christie (Jemtrud) S.; reared on farm. B.S., N. D. Agr. Coll., 1915. Alpha Zeta; Phi Kappa Phi.

Stockbridge, Horace Edward, ed. Southern Ruralist, Atlanta, Ga.

Assoc. prof. chem., Mass. Agr. Coll., 1884-5; prof. chem. and geol., Imperial Coll. Agr. and Engin., Japan, 1885-9; chief govt. chem., Japan, 1887-9; dir. Ind. Exp. Sta., 1889-90; dir. N. D. Exp. Sta. and pres. N. D. Agr. Coll., 1890-4; dean Coll. Agr. and dir. farmers insts., Univ. Fla., 1897-1902; present position, 1906–. Sec. Fla. State Agr. Soc.; pres. Farmers Nat. Congress, 1916-7. Trustee, Univ. of the South, Sewanee, Tenn., 1918. Owned and operated plantation, Sumter Co., Ga., since 1895. *Auth.*: Rocks and Soils, 1887, 92, 95, 1902; Land Teaching, 1910.—*b.* Hadley, Mass., May 19, 1857; *s.* Levi and Johanna (Smith) S.; reared on farm; *m.* Belle Lamar, Mar. 30, 1885; *c.* Levi Basil, Abigail M., Derry L., John S. B.S., Mass. Agr. Coll., 1898; PhD., Goettingen Univ., Germany, 1884. Kappa Sigma.

Stockdale, Charles Ellsworth, agrl. ed., W. Va. Univ., Morgantown, W. Va.

b. St. Leo, W. Va., Nov. 9, 1890; *s.* Geo. N. and Sarah (Roberts) S.; reared on farm; *m.* Nellie Bly Shaffer, 1913; *c.* Harold, Ruth. B.S.A., W. Va. Univ., 1916.

Stocking, William Alonzo Jr., prof. dairy ind., Cornell Univ., Ithaca, N. Y.

Asst. prof. dairy ind., Cornell Univ., 1906-9; prof., 1909–; acting dir. Coll. Agr., 1913–4. Pres. Amer. Dairy Sci. Assoc. *Auth.*: Manual of Milk Products, 1917. (Dairy bact.).—*b.* Simsbury, Conn., May 13, 1872; *s.* W. A. and Serinda (Delanoy) S.; reared on farm; *m.* Harriet M. Bliss, June 27, 1900; *c.* John Bliss, Robt. Bliss, Wm. Bliss, Elizabeth Delanoy. B.Agr., Conn. Agr. Coll., 1895; B.S.A., Cornell Univ., 1898; M.S.A., 1906. Sigma Xi.

Stockman, Dora Hall, farmer, writer, lect., R. 4, Lansing, Mich.

Mem. Mich. State Bd. Agr.; mem. Mich. Community Council; state chm. food production and marketing com., Mich. Women's Council of Defense; lect. Mich. State Grange, 1914–; dir. Mich. Women's State Press Assoc. *Auth.*: A Bountiful Harvest, 1908; Farmerkins Farm Rhymes, 1911; Dialog Book, 1913.—*b.* Merilla, Mich., Aug. 4, 1872; *d.* Lee F. and Lucy (Bennett) Hall; reared on farm; *m.* F. M. Stockman, Aug. 8, 1889; *c.* Lee X., Lucy, Verne A. Grad. Hillsdale Coll.

Stockton, Manley, manag. Adams Co. Fruit Packing and Distributing Co., Biglerville, Pa.

Fruit-grower, Tonganoxie, Kans., 1 yr.; Columbia, Mo., 2 yrs.; invest. in marketing, Bur. Markets, U. S. Dept. Agr. Served in U. S. Naval Aviation Detachment. (Handling apples and peaches).—*b.* Rocheport, Mo., June 17, 1895; *s.* Manley B. and Catharine (Scott) S.; reared in city. B.S.A., Univ. Mo., 1917. Sigma Nu.

Stoddard, Edwin Freeman, prof. veg. gard., Md. State Coll., College Park, Md.; 1888-Oct. 18, 1918. See Rus 1918.

Stoddart, Charles William, prof. agrl. chem., Penn. State Coll., State College, Pa.

Instr. and asst. prof. soils, Univ. Wis., 1904-10; present position, 1910–. *Auth.*: Chemistry of Agriculture, 1915.—*b.* Boscobel, Wis., Oct. 14, 1877; *s.* Wm. and Emma (Sylvester) S.; reared in city; *m.* Clara Cook, June 12, 1902; *c.* Chas. Wm. Jr., Harold Coburn, Robt. Cook. A.B., Columbia Univ., 1900; A.M., 1901; Ph.D., Univ. Wis., 1909. Phi Beta Kappa; Sigma Xi; Phi Kappa Phi; Beta Theta Pi.

Stokes, W. Eugene, ext. agron., Clemson Agr. Coll., Clemson College, S. C.

Asst. chem., Tex. Exp. Sta., 1911-2; asst. prof. agron., N. H. A.&M. Coll., 1913-4; farmer, Bamberg, S. C., 1914-7; formerly co. agrl. agt., Edgefield, S. C. —*b.* Bamberg, S. C., Aug. 21, 1889; *s.* J. W. and Belle S.; reared on farm; *m.* Belle Mae Cooner, Jan. 1, 1914; *c.* Margaret Isabelle. B.S., Clemson Agr. Coll., 1911; M.S., Univ. Wis., 1914.

Stokoe, William Clarence, co. agrl. agt., Cortland, N. Y.

Instr. agr., high-sch., Gowanda, N. Y., 1914-7; co. agt., Coos Co., N. H., 1917-20; agt. Cortland Co., N. Y., 1920–.—*b.* Scottsville, N. Y., Jan 4, 1890; *s.* Wm. L. and Margaret (Malloch) S.; reared on farm; *m.* Marie Cecilia Stafford, Oct. 12, 1916; *c.* Wm. C. Jr. B.S., Cornell Univ., 1913.

Stollery, David John, manag. ed. The California Cattleman, 222 Sharon Bldg., San Francisco, Calif.

Sec. Howard Cattle Co., 1906–; Howard Ranch Co., 1906–; manag. Paicines Ranch, 1915-7. Sec. Calif. Cattlemens Assoc.; sec. Calif. Shorthorn Breeders Assoc., 1915–; sec. Calif. Live Stock Comn., U. S. Food Adminis. —*b.* London, England, Aug. 6, 1880; *s.* John and Maria (Howell) S.; reared in country; *m.* Eudora Winifred Smith, May 5, 1906; *c.* David John, Edward Wilfrid, Joseph.

Stoltz, Robert Bear, asst. prof. dairying, Ohio State Univ., Columbus, O.

Instr. dairying, Ohio State Univ., 1912-4; asst. prof., 1914–. Sec.-treas. O. Swiss Cheese Assoc., 1918–. (Cheese, ice-cream).—*b.* Bradford, O., Mar. 6, 1890; *s.* Jas. F. and Ida E. (Bear) S.; reared on farm and in town; *m.* Marie Cassell, June 12, 1912; *c.* Philip C., Bonnie Marie. B.S.A., Ohio State Univ., 1912. Acacia; Delta Theta Sigma.

Stone, Alden Lescombe, asst. prof. agron., Univ. Wis., state seed insp. and deputy weed comnr., State Dept. Agr., Madison, Wis.

Asst. agron., Univ. Wis., 1903-6; instr., 1906-10; asst. prof., 1910–. Pres. Wis. Agr. Exp. Assoc., 4 yrs.; pres. Nat. Assoc. Seed Analysts, 1917. Served as private in Spanish-American War.—*b.* Burnett, Wis., Dec. 9, 1872; *s.* Wm. Wallace and Calista Elizabeth (Tripp) S.; reared in city and on farm; *m.* Alice Lena Mayhew, May 1, 1900; *c.* Dorothy, Bernice, Wm., Alice, Philip, Wilson, Alden, Donald, Gwyn.

Stone, John Lemuel, emeritus prof. farm practice, Cornell Univ., Ithaca, N. Y.

Farmer, Waverly, Pa., 1874-97; asst. agr., Cornell Univ., 1897-1903; asst. prof., 1904-6; prof. farm practice, 1907-9; emeritus, 1919–.—*b.* Waverly, Pa., July 6, 1852; *s.* Lora W. and Julia A. (Gorham) S.; reared on farm; *m.* Jennie D. Parker, Aug. 30, 1876; *c.* Delia M., Helen L., Mary D., Julia A. B.Agr., Cornell Univ., 1874.

Stone, Joshua Winthrop, market-gardener, 29 Lincoln St., Watertown, Mass.

Princ. Mt. Ida Acad., Ark., 1898-1900; princ. high-sch., N. Berwick, Me., 1900-3; market-gardener, Watertown, 1903–; stockman, Lexington, Mass., 1918-20. Pres. Boston Market Gardeners, 1917-8; pres. Mass. State Veg. Growers Assoc., 1918-9. (Greenhouse veg. forcing).—*b.* Watertown, Mass., July 26, 1873; *s.* Joshua Coolidge and Martha Elizabeth (Mason) S.; reared on farm; *m.* Agnes Jessie Mayell, Oct. 25, 1899; *c.* Esther Mayell, Winthrop Ernest. A.B., Harvard Univ., 1896.

Stone, Tom Candy, ext. an. husb., Ia. State Coll., Ames, Ia.

Asst. and instr., an husb., Ohio State Univ., 1914-8; present position, 1918–.

Sec. la. Fleece Wool Growers Assoc., 1919–. (Sheep).—*b.* Stonington, Ill., June 28, 1890; *s.* Richard Jas. and Frances (Livergood) S.; reared on farm. B.S., Univ. Ill., 1914; M.S., Ohio State Univ., 1917. Alpha Gamma Rho; Sigma Pi; Sigma Delta Chi; Acacia.

Stonecifer, Benjamin Paul, assoc. prof. truck crops and flor., Ia. State Coll., Ames, Ia.

Instr. hort., Ia. State Coll., 1917-8; asst. prof., 1918; assoc. prof., 1919–. Served in Ordnance Dept., U. S. Army, 1918-9.—*b.* Ft. Wayne, Ind., Dec. 3, 1892; *s.* B. F. and Lessie (Keltner) S.; *m.* Nellie Pearl Ratliff, June 14, 1917. B.S.A., Purdue Univ., 1917. Sigma Nu.

Stookey, Edward Benton, agron., W. Wash. Exp. Sta., Puyallup, Wash.

Teach. agr., chem. and bot., high-sch., Garfield, Wash., 1912-3; asst. prof., W. Wash. Exp. Sta., 1913-4; agron., 1914–. —*b.* Creston, Wash., Sept. 2, 1889; *s.* Alfred E. and Mary (Wooley) S.; reared on farm; *m.* Lucy Belle Kincaid, Sept. 2, 1913; *c.* Edward Allen, Mary Christine, Robt. Benton. B.S., Wash. State Coll., 1912.

Storer, Clayton A., co. agrl. agt., Skowhegan, Me.

Princ. Freedom Acad., Me., 1918-9. —*b.* Weld, Me., June 7, 1891; *s.* Daniel H. and J. Elizabeth (Phinney) S.; reared on farm; *m.* Edith L. Philbrick, Sept. 7, 1918; *c.* Allan Philbrick. B.S., Univ. Me., 1918. Alpha Zeta.

Storm, Ashley Van, prof. and chief div. agrl. educ., and dir. short-courses, Univ. Minn., University Farm, St. Paul, Minn.

Supt. city schs., Winchester, Ill., 1890-4, Storm Lake, Ia., 1894-8, Cherokee, Ia., 1898-1906, Iowa City, 1906-7; ext. prof. public sch. agr., Ia. State Coll., 1907-11; prof. and head dept. agrl. educ., dir. summer session, 1911-2; prof. and chief div. agrl. educ., Univ. Minn., 1912–; dir. summer session, 1913–; conductor state teach. training sch., 1913–. Pres. Amer. Assoc. for Adv. Agrl. Teaching, 1915-6; pres. N. W. Ia. Teach. Assoc., 1896; supt. educ. exhibits, Ia. State Fair, 1908-12; chm. Nat. Educ. Assoc. Com. on Agr., 1913–. Admitted to Bar, 1890.—*b.* Walnut, Ill., Nov. 18, 1861; *s.* John Miller and Josephine (Mitchell) S.; reared on farm; *m.* Elizabeth Ann Hayler, Mar. 24, 1889; *c.* Shirley Snow, Arthur V., Paul H. Ph.B., Ill. Wesleyan Univ.; M.A., Univ. Ia., 1912; Ph.D., Geo. Peabody Coll., 1919. Phi Delta Kappa; Gamma Sigma Delta (nat. grand pres.); Alpha Gamma Rho; Acacia.

Story, George F. Edmunds, co. agrl. agt., Worcester, Mass.

Ext. instr. an. husb., Ohio State Univ., 1910-1; ext. instr. an. husb. and dairying, Mass. Agr. Coll., 1911-5; prof. an. ind., Univ. Vt., 1915-8; present position, 1918–. (An. and dairy husb.).—*b.* Essex, Vt., Oct. 2, 1885; *s.* Isaac Tichenor and Ella M. (Woodruff) S.; reared on farm; *m.* Alma Harriet Montague, Sept. 18, 1909; *c.* Everett Montague. B.S.A., Ohio State Univ., 1910. Kappa Sigma; Alpha Zeta.

Story, William Fleming Jr., co. agrl. agt., McMinnville, Tenn.

(Live-stock).—*b.* Sparta, Tenn., Mar. 16, 1893; *s.* W. H. and Hattie E. (Cale) S.; reared on farm. Grad. Middle Tenn. State Normal, 1918.

Stothers, Stephen Baxter, agrl. rep., Clinton, Ont.

b. Lucknow, Ont., June 12, 1885; *s.* Wm. and Mary (Andrew) S.; reared on farm. B.S.A., Ont. Agr. Coll., 1916.

Stouder, Kirk Whitney, ext. prof. vet. med., Ia. State Coll., Ames, Ia.

Prof. vet. surg. and anat., Wash. State Coll., 1909-13; present position, 1913–. Vet. adv., Live Stock Sanitary Comn., Kans.; pres. Mo. Valley Vet. Assoc.—*b.* Taylor Co., Ia., July 18, 1882; *s.* Wm. F. and Emma (Hahn) S.; reared in country; *m.* Maude Jeffers, 1908; *c.* John Chandler. D.V.M., Ia. State Coll., 1905.

Stoudt, John Micheal, farm manag., Hershey, Pa.

b. Derry Church, Pa., Aug. 29, 1893; *s.* D. M. and Lizzie (Moyer) S.; reared on farm. B.S., Penn. State Coll., 1914.

Stow, Ralph Albert, state co. work sec., Y. M. C. A., Billings, Mont.

General sec. Y. M. C. A., Purdue Univ., 1905-10; co. sec. Morgan Co., Colo., 1910-2; Univ. Denver, 1912-3.—

b. Caledonia, Mich., Mar. 2, 1881; *s.* Alfred Wolcott and Clara Augusta (Beckley) S.; reared on farm; *m.* Fannie Leone Morris, Sept. 1, 1915; *c.* Richard Wolcott, Robt. Morris, Ruth. B.S., Univ. Mich., 1905.

Stowell, James Herbert, co. agrl. agt., Lakefield, Minn.

Herdsman, Hearts Delight Farm, Chazy, N. Y., 3 yrs.; asst. in chg. efficiency dept., 1 yr. In Motor Transport Corps, U. S. Army, 1917-9; instr. an. husb., feeds and feeding, A. E. F. Univ., Beaune, France, 1919.—*b.* Chicago, Ill., June 23, 1894; *s.* Jas. Herbert and Frances (Burnell) S.; reared in city and country; *m.* Marie Christine Blomberg, Oct. 24, 1919. B.S., Univ. Wis., 1915. Tau Phi Gamma.

Strahan, James Lewis, asst. prof. rural engin., Mass. Agr. Coll., Amherst, Mass.

Instr. farm structures and rural engin., Cornell Univ., 1913-8; asst. prof. rural engin., 1918-9; present position, 1919–. (Farm buildings).—*b.* N. Y. City, Feb. 11, 1889; *s.* Jas. Lewis and Anne (Price) S.; reared in city; *m.* Bessie L. Edwards, Sept. 11, 1913; 2d, Julia Gleason, Aug. 20, 1920; *c.* Anne P. B.S.A., Cornell Univ., 1912; M.S., 1913. Acacia.

Strange, Harvey Oliver, co. agrl. agt., Burlington, Colo.

b. Doniphan, Neb., July 28, 1893; *s.* Edwin A. and Della (Creason) S.; reared on farm; *m.* Harriet Jamison, June 22, 1915; *c.* Harriet Louise, Wm. Edwin. B.S.A., Colo. Agr. Coll., 1915. Sigma Phi Epsilon.

Straw, Bert, co. agrl. agt., Coudersport, Pa.

Mem. Food Supply Com. of Pa.—*b.* Kerrmore, Pa., Sept. 6, 1892; *s.* Harrison and Emeline (Read) S.; reared on farm; *m.* Gertrude Mary Rush, Nov. 30, 1916. B.S., Penn. State Coll., 1916.

Straw, Eunice, home dem. agt., Freehold, N. J.

Auth.: Household Accounts Book, 1919.—*b.* O'Shanter, Pa., Aug. 24, 1890; *d.* Harrison and Emeline J. (Read) S.; reared on farm. B.S., Penn. State Coll., 1917.

Strehlow, Peter C., farmer, Willetts, La.

Manag. wheat and stock farm, Spring Coulee, Alta., 1917; manag. Kenmore Plantation, La., 1919–. 2d Lieut. Field Artillery, U. S. Army, 1 yr. (An. breeding).—*b.* Strawberry Point, Ia., Dec. 4, 1891; *s.* Fred E. and Anna (Jessen) S.; reared on farm; *m.* Muriel Bond, Feb. 1, 1920. B.S., Univ. Wis., 1916. Alpha Zeta.

Strivings, Silas L., farmer, Castile, N. Y.

Co. supt. schs., Wyoming Co., N. Y., 6 yrs.; princ. high-schs., 8 yrs.; examiner in Educ. Dept., Albany, 2 yrs. Dir. Wyo. Co. Agrl. Soc.; pres. N.Y. State Fed. Co. Farm Bur. Assoc.; pres. Wyo. Co. Farm Bur.; master Wyo. Co. Grange; adv. com., Fed. Food Adminis.; lect. N. Y. State Grange; vice-pres. Amer. Farm Bur. Fed.; dir. Gainesville Nat. Bank. —*b.* Mt Morris, N. Y., May 1, 1865; *s.* Sherman S. and Eliza (Lowry) S.; reared on farm; *m.* Mae L. Townsend, Oct. 10, 1888; *c.* Roy T., Roscoe S., Victor D. Grad. Geneseo State Normal.

Struck, F. Theodore, assoc. prof. agrl. educ., Penn. State Coll., State College, Pa.

Teach., Stadium High-Sch., Tacoma, Wash., 1911-3; dir. ind. sch., W. Orange, N. J., 1914-5; princ. Essex Co. Voc. Sch., N. J., 1915-8; present position, 1918–.—*b.* Germany, Mar. 18, 1886 (naturalized 1893); *s.* L. and Bertha (Runge) S.; reared on farm and in town; *m.* Alice E. Clark, 1915. B.S. in C.E., Univ. Ore., 1911; M.A., Teachers Coll., Columbia Univ., 1914; Ph.D., 1920. Phi Delta Kappa.

Stuart, Lyda Vernon, home dem. agt., Indianola, Miss.

Dir. dept. home econ., high-sch., Meridian, Miss., 1918-9; present position, 1919–.—*b.* Binnsville, Miss., Sept. 15, 1897; *d.* Wm. Henry and Fannie Evans (Lanier) S.; reared on farm and in town. B.S., Miss. Ind. Inst., 1918.

Stuart, William, hort., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Asst. bot., Ind. Exp. Sta., 1894-1901; assoc. hort., 1901-2; prof. hort., Univ. Vt. and hort. Exp. Sta., 1902-9; potato expert, U. S. Dept. Agr., 1909-13; hort., 1913–.—*b.* St. Remi, Que., May 21, 1865 (naturalized 1895) *s.* Norman and Hannah (Elvidge) S.; reared on farm;

m. Ruth Hunt, Feb., 1897; *c.* Donald H., Bernice. B.S.A., Univ. Vt., 1894; M.Sc., Purdue Univ., 1896. Kappa Sigma; Alpha Zeta.

Stubbs, William Carter, state chem., 701 Howard Ave., New Orleans, La.

Prof. nat. sci., E. Ala. Coll., 1869-72; prof. chem., Ala. A.&M. Coll., 1872-85; state chem., Ala., 1882-5; prof. agr., La. State Univ. and dir. Exp. Sta., 1885-1905; state chem., La., 1886–. *Auth.*: Sugar (2 vols.).—*b.* Gloucester Co., Va., Dec. 7, 1846; *s.* Jefferson W. and Ann Walker (Baytop) S.; *m.* Elizabeth Saunders Blair, July 27, 1875. A.B., Randolph-Macon Coll., 1862; Univ. Va., 1867.

Stuckey, Henry Perkins, dir. Ga. Exp. Sta., Experiment, Ga.

Asst. hort., Ala. Poly. Inst., 1907; hort., Winthrop Normal and Ind. Coll., 1907-8; hort., Ga. Exp. Sta., 1908-19; dir., 1919–. Pres. hort. sect., Southern Agrl. Workers Assoc. Ed. hort. sect., Southern Cultivator, 1910–.—*b.* Hartsville, S. C., Oct. 3, 1880; *s.* B. N. and Ann (Davis) S.; reared on farm; *m.* Cornelia C. Martin, Aug. 5, 1909; *c.* Irene H., Ann D., B.N. B.S., Clemson Agr. Coll., 1906.

Sturdevant, Lazelle Brantly, assoc. prof. an. path., Univ. Neb., Lincoln, Neb.

Asst. instr. an. path., Univ. Neb., 1903-4; assoc. prof., 1913–. 1st. Lieut. Med. Reserve Corps, U. S. Army; major Med. Corps, Neb. Nat. Guard. Joint translator: Leisering's Atlas of the Anatomy of the Horse and the Other Domestic Animals, 1905.—*b.* Wahoo, Neb., June 4, 1879; *s.* Brantly E. and Ellen O. (Smith) S.; reared in town; *m.* Florence Leota E. Wilcox, June 4, 1908; *c.* Bobbette Maria. A.B., Univ. Neb., 1902; A.M., 1905; M.D., 1909; B.Sc. in Agr., Univ. Neb., 1915. Sigma Xi; Nu Sigma Nu.

Stutsman, Jesse, co. agrl. agt., Anderson, Ind.

Dean sch. agr., Goshen Coll., Ind., 1915-7; agrl. agt. Saginaw Co., Mich., 1917-9; present position, 1920–.—*b.* Goshen, Ind., Apr. 20, 1879; *s.* J. S. and Amelia (Miner) S.; reared on farm; *m.* Bessie D. Reed, 1913. A.B., Goshen Coll., 1911; B.S., Mich. Agr. Coll., 1915.

Sullins, Dee Granville, an. husb., Ga. Exp. Sta., Experiment, Ga.

Teach. rural schs., Ala., 2 yrs.; distr. agrl. sch., Ala., 1913-4; asst. prof. an. husb., N. C. A.&M. Coll., 1916-7; an. husb., Md. Agr. Coll. 1917-8; swine ext. specialist, Conn. Agr. Coll., 1918-9; present position, 1919–.—*b.* Hackleburg, Ala., Feb. 19, 1891; *s.* A. M. and Martha J. (Avery) S.; reared on farm. B.S., Ala. Poly. Inst., 1913; B.S.A., Univ. Mo., 1915; M.S., 1916. Gamma Alpha.

Sullivan, Dan Thomas, co. agrl. agt., Clarkfield, Minn.

Supt. live-stock, Tallahatchie Co. plantation, Phillipp, Miss., 1916-7. In U. S. Army, July-Dec., 1918. (Live-stock).—*b.* Ft. Atkinson, Wis., Oct. 4, 1889; *s.* Dan H. and Minnie (Blanchard) S.; reared on farm; *m.* Joan G. Tierney, Oct. 24, 1917; *c.* Daniel Tierney. B.S., Univ. Wis., 1914. Alpha Sigma Phi.

Sullivan, Knowles Clark, asst. prof. ent. and deputy state nursery insp., Univ. Mo., Columbia, Mo.

b. Clever, Mo., Feb. 17, 1893; *s.* J. C. and Mary A. (Cantrell) S.; reared on farm; *m.* Lula M. Hughes, 1917. B.S.A., Univ. Mo., 1915; M.A., 1917. Sigma Kappa Zeta; Gamma Sigma Delta; Acacia.

Sullivan, Wallace, co. agrl. agt., Hanford, Calif.

Princ. high-sch., Kipp, Kans., 1910-2; instr. agr., Ft. Lewis Sch. Agr., Hesperus, Colo., 1913-5; co. agt., Price, Utah, 1916-7; agt. King Co., Calif., 1917–.—*b.* Thompsonville, Ill., Dec. 5, 1887; *s.* Silas and Rhoda J. (Stull) S.; reared on farm; *m.* Mary Elva Bice, Jan. 1, 1911; *c.* Elizabeth I., Donald D., Elsie M. A.B., Ft. Hayes Normal Sch., Kans., 1913; B.S.A., Colo. Agr. Coll., 1916.

Summerby, Robert, prof. cereal husb., Macdonald College, Que.

Asst. cereal husb., Macdonald Coll., 1911-3; lect. in chg. cereal breeding, 1913-9; prof., 1919–.—*b.* Lachute, Que., June 6, 1886; *s.* Wm. H. and Eliza Jane (Laymachan) S.; reared on farm; *m.* Isabella Mary Hall, Dec. 28, 1916. B.S.A., McGill Univ., 1911.

Sumner, Harlan Randolph, asst. prof. agron., Mont. State Coll., Bozeman, Mont.

1st. Lieut. Air Serv., U. S. Army; served in A.E.F.—*b.* Peoria, Ill., Feb. 7, 1896; *s.* John S. and Belle (Allison) S.; reared on farm. B.S.A., Kans. State Agr. Coll., 1916; M.A., Univ. Mo., 1917. Alpha Gamma Rho; Alpha Zeta; Gamma Alpha.

Sumner, William Allison, asst. prof. agrl. journalism and ed. bulletins, Univ. Wis., Madison, Wis.

Instr., Kans. State Agr. Coll., 1914-5; instr., Univ. Wis., 1915-8; asst. prof., 1918–. *Ed.*, Lincoln Kansas Republican. —*b.* Peoria, Ill., Feb. 19, 1892; *s.* John Stow and Clara Belle (Allison) S.; reared on farm; *m.* Alma Brunsell, June 19, 1918. B.S., Kans. State Agr. Coll. Sigma Delta Chi.

Sunderlin, Hiram Harold, ext. asst. prof. agrl. engin., Ia. State Coll., Ames, Ia.

Teach., high-sch., Anamosa, Ia., 1915-7, Missouri Valley, 1917-8; co. club leader, Wapello Co., Ia., 1918-9; present position, 1919–. (Soil erosion, tractors).—*b.* Harvard, Ill., Feb. 2, 1891; *s.* Newton A. and Ellen (McKahan) S.; reared on farm and in town; *m.* Mate E. Powers, June 19, 1917. B.S., Ia. State Coll., 1915. Pi Kappa Alpha; Alpha Zeta.

Surface, Harvey Adam, orchardist and zool., Mechanicsburg, Pa.

Prof. zool., Penn. State Coll., 7 yrs.; state zool., Pa. Dept. Agr., 14 yrs.; ornithologist, Pa. State Bd. Agr., 10 yrs. Partner in Fleitz and Sprout orchards and Duncan and Surface orchards. Pres. Pa. Bee-Keepers Assoc., 14 yrs.; pres. Crumb Co. Hort. Assoc., 12 yrs.; Pa. dir., Nat. Teach. Conservation Assoc. Fellow A. A. A. S.—*b.* Waynesville, O., July 25, 1867; *s.* David and Maria J. (Thomas) S.; reared on farm; *m.* Ida May Bleasdale, May 30, 1893; *c.* Harley B., Violet May, Priscilla Beatrice. B.S., Ohio State Univ., 1891; M.S., 1892; Ph.D., Franklin and Marshall Coll., 1910. Sigma Xi.

Sutherland, Mary Elizabeth, asst. prof. home econ., Wash. State Coll., Pullman, Wash.

Instr. dom. art, Ore. Agr. Coll., 1904-8; night teacher, N. Y. Preparatory Trade Sch., 1908-9; Lindhurst Summer Sch., 1909; city superv. dom. sci. and art, Grand Forks, N. D., 1911-3; ext. serv., N. D. Agr. Coll., 1913-7; present position, 1917–.— B. S., Ore. Agr. Coll., 1904; studied Columbia Univ., 1908-9.

Suttle, E. S., co. agrl. agt., Jonesville, Va.

Princ. Cumberland high-sch., Ewing, Va., 1909-10; princ. Pleasant View Sch., Rose Hill, 1910-2; dir. educ., Wash. State Reformatory, Monroe, 1912-4.—*b.* Jonesville, Va., Dec. 15, 1886; *s.* S. M. and Elizabeth M. (Legg) S.; reared on farm; *m.* Julia A. Sample, Oct. 3, 1914; *c.* Evelyn, Jas. M. B.A., Emory and Henry Coll., Emory, Va., 1909.

Sutton, Frederick James, insecticide salesman, Niagara Sprayer Co., Kokoma, Ind.

Instr. hort., Purdue Univ., 1916-7; instr. hort., N. C. State Coll., 1917-8; asst. prof. hort., Univ. Ky., 1918-9; present position, 1919–.—*b.* Baltimore, Md., Jan. 14, 1894; *s.* Wm. E. and Harriett J. (Boone) S.; reared in town. B.S.A., Purdue Univ., 1915; M.S.A., Cornell Univ., 1916. Alpha Zeta.

Sutton, Luther Francis, supt. agrl. exp. sta., Wardensville, W. Va.

Prof. higher math., Salem Coll., W. Va., 1906-7; supt. schs., W. Union, W. Va., 1908-10; asst. hort., W. Va. Exp. Sta., 1912-6; supt. Reymann Mem. Farms, 1916–. *Assoc. ed.*, American Fruit Grower.—*b.* Blandville, W. Va., Apr. 21, 1881; *s.* F. M. and Hannah (Vannort) S.; reared on farm; *m.* Clellie Lowther, Aug. 14, 1907; *c.* Marion L., Robt. Lee, John Luther. B.S., Salem Coll., 1906; B.S.A., Univ. Wis., 1912.

Swaim, George Tupper, dir. voc. courses in agr., high-sch., Holtville, Calif.

From private to 2d Lieut. Air Serv., U. S. Army, 1917-9.—*b.* Sumas, Wash., June 22, 1893; *s.* Leonidas and Minnie Ella (Thom) S.; reared in town and country. B.S., Univ. Calif., 1917.

Swaim, Henry H., fruit-grower, W. LaFayette, Ind.

Pres. Ind. Hort. Soc., 1905-6, sec.-treas., 1918-20.—*b.* S. Bend, Ind., May 20, 1858; *s.* John Milton and Malinda (Way) S.; *m.* Corinne Hunt, Jan. 14, 1886; *c.* Jessie, Ben, Chas., Ada, Ira.

Swaim, John Earl, pres. and manag. Coop. Livestock Development Assoc., Oklahoma City, Okla.

City supt. schs., Beaver City, Okla., 1909-11; co. supt. schs., 1911-3; instr. N. W. State Normal, Alva, Okla., summer 1914; boys' agrl. club agt., Okla. A.&M. Coll., 1915-9; present position, 1919–.—*b.* Garden Plains, Kans., June 3, 1885; *s.* Thos. J. and Rachel (Miller) S.; reared on farm; *m.* Camille Blanch Munger, Nov. 24, 1910; *c.* Thos. Frederic, Chas. Eugene, Hollie Elizabeth, John E. Jr. Student Okla. Baptist Coll., 2 yrs.; N.W. State Normal, 1 yr. Delta Sigma Alpha.

Swann, F. A., co. agrl. agt., Marksville, La.

b. Elmer, La., Feb. 8, 1892; *s.* H. C. and Sarah (Mace) S.; reared on farm; *m.* Lou Laborde, Nov. 19, 1918. B.S., La. State Univ., 1914.

Swanson, Arthur Frithiof, sci. asst. agron., U. S. Dept. Agr., Ft. Hays Exp. Sta., Hays, Kans.

(Small grains and grain sorghums). —*b.* Wahoo, Neb., June 7, 1891; *s.* Olaf and Matilda (Johnson) S.; reared on farm. B.S.A., Kans. State Agr. Coll., 1919. Pi Kappa Delta.

Swanson, Charles Oscar, assoc. prof., agrl. chem., Kans. State Agr. Coll., Manhattan, Kans.

Princ. high-sch., Jackson, Minn., 1899-1900; sci. teach., high-sch., Canon Falls, 1900-3; instr. agrl. chem. and asst. chem. Exp. Sta., Purdue Univ., 1905-6; asst. chem., Kans. Exp. Sta., 1906-14; assoc. chem., 1914–; asst. prof. agrl. chem., Kans. State Agr. Coll., 1909-14; assoc. prof., 1914–. (Soil chem.).—*b.* Sweden (naturalized as minor); *s.* Magnus and Johanna (Johnson) S.; reared on farm; *m.* Esther C. Holmberg, 1901; *c.* Charlotte Huntington, Esther Hildegarde. A.B., Carleton Coll., 1899; M.S.A., Univ. Minn., 1905. Phi Kappa Phi.

Swarner, Walter Crockett, co. agrl. agt., Mound City, Mo.

Lect. propaganda dept., German Kali Works, N. Y., 1914-8; agrl. agt. Holt Co., Mo., 1918–. (Crops, soils).—*b.* Clarksburg, Mo., Mar. 7, 1887; *s.* A. T. and Mary M. (Quinn) S.; reared on farm; *m.* Dorothy Culbertson Maclay; *c.* Walter C. Jr. B.S.A., Univ. Mo., 1914. Alpha Zeta; Phi Gamma Delta.

Swarthout, Arthur Vance, invest. in market business practice, Bur. Markets, U. S. Dept. Agr., Washington, D. C.

b. Chubb Corners, Mich., Nov. 5, 1885; *s.* H. H. and Hattie (Cordley) S.; reared on farm; *m.* Gertrude McBee, Feb. 18, 1914. B.S., Ore Agr. Coll., 1912.

Swartz, Peter Charles, farmer, Waukesha, Wis.

Pres. Wis. Alfalfa Order, 1916–; treas. Wis. Exp. Assoc., 1916–; farm inst. lect., 1916–. Dir. Farmers State Bank, Waukesha. Part owner Cornfalfa Farms.—*b.* Waukesha, Wis., Aug. 25, 1882; *s.* Peter M. and Catherine M. (Phillips) S.; reared on farm; *m.* Ida Mary Stickels, Dec. 3, 1919.

Swedberg, Jasper I., farmer, St. James, Minn.

Dir. agr., high-sch., Cokato, Minn., 1913-6; Madison, Minn., 1916-8; co. agrl. agt. Grant Co., S. D., 1916-20.—*b.* St. Paul, Minn., Nov. 17, 1889; *s.* Jas. S. and Hannah S.; reared on farm; *m.* Julia Hawkinson, Sept. 9, 1914; *c.* Genevieve Elinor, Jas. Hawkins, Ruth Margaret. B.S.A., Univ. Minn. Alpha Zeta.

Sweeny, Mary Elizabeth, prof. nutr. and sanitation and head home econ. dept., Univ. Ky., Lexington, Ky.

Present position, 1912–. Amer. del. to Intern. Home Econ. Conference, Ghent, Belgium, 1913. With Y. M. C. A. Overseas Canteen Serv., 1918–9. —*b.* Lexington, Ky., Oct. 11, 1879; *d.* Wm. Ogles and Margaret Edmonson (Prewitt) S.; reared in city. A.B., Transylvania Coll., 1899; M.S., Univ. Ky., 1906; M.A., Columbia Univ., 1912. Kappa Kappa Gamma.

Sweet, Louis Dennison, rancher and farmer, Carbondale, Colo.

On cattle ranch, 1880-5; railroading, 1886-8; co. treas. Pitkin Co., Aspen, Colo., 1889-94; gen. manag. Ry. Supply Co., Denver, 1894-1900; vice-pres. and manag. sales dept., Large Mfg. Co., N. Y. City, 1900-4; farmer grain, alfalfa, potatoes, 1905–. Chm. exec. com.,

Potato Assoc. of Amer.; 1st. vice-pres. Intern. Farm Congress. Served in U. S. Food Adminis., 1917-8; in div. dehydration fruit and veg., U. S. Dept. Agr., 1918-9.—*b.* Barry, Ill., May 4, 1863; *s.* John L. and Ella (Peck) S.; reared in town and on ranch; *m.* Jennie Mulliken, Aug. 27, 1889; *c.* Stuart L.

Sweeton, Arthur Watson, co. agrl. agt., Brattleboro, Vt.

b. Canton Center, Conn., May 20, 1886; *s.* A. W. and Nellie L. (Case) S.; reared on farm; *m.* Helen G. Humphrey, Oct. 11, 1911; *c.* Arthur Watson, Frederick Humphrey. B. Agr., Cornell Univ., 1909.

Sweetser, Herman Pittee, assoc. prof. hort., Univ. Me., Orono, Me.

Fruit-grower, Cumberland Center, Me., 1911-2, 1916; asst. state hort., State Dept. Agr., 1913-5; asst. prof. hort., Univ. Me., 1916-7; assoc. prof., 1919–; exec. sec. to State Food Adminis., 1917-8.—*b.* Cumberland Center, Me., Sept. 14, 1887; *s.* F. R. and Mary E. (Osgood) S.; reared on farm; *m.* Phyllis R. Sturdivant, Aug. 14, 1919. B.S., Univ. Me., 1910. Sigma Chi.

Sweitzer, L. Morgan, co. agrl. agt., Lamar, Colo.

Farmer, Mt. View Fruit Farm, Delta, Colo., 1916-8; present position, 1919–. —*b.* Leadville, Colo., Oct. 29, 1891; *s.* Louis W. and C. Elizabeth (Morganstern) S.; reared on farm. B.S.A., Colo. Agr. Coll., 1916. Sigma Alpha Epsilon; Alpha Zeta.

Swem, Earl Gregg, agrl. bibliographer, 8 E. 45th St., New York, N. Y.

Librarian, Armour Inst., 1901-2; in Library of Congress, 1902-7; asst. librarian, Va. State Library, 1907-9. *Ed.*, Va. State Library Bull., 1908-19. (Agrl. bibliography of Va.). — Grad. Lafayette Coll., 1893.

Swenehart, John Henry Jr., assoc. prof. agrl. engin. in chg. land clearing, Univ. Wis., Madison, Wis.

Student asst. ent., S. D. State Coll., 1911; agrl. dir., public schs., Jordan, Minn., 1911-4; co. agt., Crandon, Wis., 1914-8; asst. prof. agrl. engin., Univ. Wis., 1918-9; assoc. prof., 1919–.—*b.* Vandervoort, S. D., Aug. 18, 1890; *s.* John Henry and Bessie Imogen (Babcock) S.; reared on farm. B.S., S. D. State Coll., 1911.

Swenk, Myron Harmon, chm. dept. ent., prof. econ. ent., state ent. and ent. Exp. Sta., Univ. Neb., Lincoln, Neb.

Lab. asst. ent., Neb., 1904-7; adj. prof., 1907-10; asst. prof., 1910-1; assoc. prof., 1911-4; prof. 1915–; chm. dept., 1919–; asst. ent. Exp. Sta., 1907-12; assoc. ent., 1912-9; ent., 1919–; asst. state ent., 1907-19; state ent., 1919–. Fellow A.A.A.S.; pres. Wilson Ornith. Club, 1918-9; sec.-treas. Neb. Ornith. Union, 1908–.—*b.* Polo, Ill., Aug. 8, 1883; *s.* Howard and Susan (Harmon) S.; *m.* Jane C. Bishop, Apr. 24, 1918. A.B., Univ. Neb., 1907; M.A., 1908. Sigma Xi; Gamma Sigma Delta.

Swett, Frank Tracy, fruit-grower, Martinez, Calif.

Hort. comnr., Contra Costa Co., Calif., 1905-9, 1915-9; vice-pres. Calif. Viticultural Comn., 1913-9; pres. Calif. Grape Growers Assoc., 1916-20; pres. Contra Costa Fruit Growers Assoc., 1915-20; pres. Calif. Pear Growers Assoc., 1917-20; pres. Contra Costa Farm Bur., 1917. (Pear and grape-growing).—*b.* San Francisco, Calif., Nov. 22, 1869; *s.* John and Mary L. (Tracy) S.; reared in city; *m.* Myrta Wallace More, 1907; *c.* Margaret, Elizabeth. Student Univ. Calif.

Swett, Walter Whittier, assoc. prof. dairy husb., Univ. Mo., Columbia, Mo.

Instr. dairy husb., Univ. Mo., 1916-9; asst. prof., 1919; assoc. prof., 1920–.—*b.* Deerfield, N. H., Jan. 3, 1892; *s.* Byron and Elizabeth M. (Whittier) S.; reared on farm; *m.* Nellie E. Birch, June 15, 1918; *c.* Margaret Birch. B.S.A., N. H. Coll., 1915; A.M., Univ. Mo., 1916. Sigma Xi; Alpha Zeta; Gamma Alpha.

Swift, Lucy Gertrude, home dem. agt., Saratoga Springs, N. Y.

Teach. home econ., Plainfield Jr. High-Sch., Vt., 1916-8; home dem. agt., Windham Co., Vt., 1918-9; Saratoga Co., N. Y., 1919–.—*b.* Middlesex, Vt., Jan. 31, 1892; *d.* Levi and Georgia (Wolcott) S.; reared on farm. B.S., Univ. Vt., 1916. Delta Delta Delta.

Switzer, Herbert Brazilla, bact., Cent. Distr., Bur. Chem., 1625 Transportation Bldg., Chicago, Ill.

Asst. dairy bact. and market milk, Purdue Univ., 1912-3; instr., 1913-6; asst. prof., 1916-7; present position, 1917-. (Dried and evaporated milk).—*b.* Bradford, N. Y., June 25, 1888; *s.* Almon B. and Lillie (Mapes) S.; reared on farm; *m.* Eleanor M. Hurst, Aug. 14, 1912; *c.* Eleanor Margaret, Ruth Jeanette. B.S.A., Cornell Univ., 1912. Omega Tau Sigma.

Swoboda, Frank G., co. agrl. agt., Wausau, Wis.

Educ. sec., Milwaukee Y. M. C. A., 1904-6; supt. Wis. Home and Farm Sch., 1906-13; co. agrl. agt., Antigo, Wis., 1913-7. Pres. Waukesha Co. Holstein Breeders Assoc., 1912-3.—*b.* Milwaukee Co., Wis., Jan. 19, 1880; *s.* Joseph and Winnie (Kadlec) S.; reared on farm; *m.* Hattie Martenson, Oct. 1, 1907; *c.* Muriel, Winifred, Ralph. B.S.A., Univ. Wis., 1902.

Symons, Thomas Baddeley, dir. ext. serv., Md. State Coll., College Park, Md.

Assoc. state ent., Md. Agr. Coll., 1903-4; state ent. and prof. ent. and zool., 1904-12; state ent. and dean Sch. Hort., 1912-4; dir. ext. serv., 1914-. Fellow A.A.A.S. Sec. Md. State Hort. Soc., 1906-18; sec. Md. Agr. Soc.—*b.* Easton, Md., Sept. 2, 1880; *s.* Robt. and Susie (Baddeley) S.; reared on farm; *m.* Susie LaRoche, 1907; *c.* Helen, Isabelle, Josephine. B.S., Md. Agr. Coll., 1902; M.S., 1904; D.Agr., 1918.

T

Taber, Louis J., farmer, Barnesville, O.

Master O. State Grange. Mem. Nat. Wheat Price Com., O. Council of Defense; pres. O. Home Protective League. (Rural organization).—*b.* Mt. Pleasant, O., Sept. 19, 1878; *s.* Joseph John and Mary (Pickett) T.; reared on farm; *m.* Edna Bailey, Oct. 27, 1909; *c.* Joseph Paul, Frances Bailey. Educ. Friends Coll.

Tacket, John O., co. agrl. agt., Trenton, Tenn.

Private, U. S. Army, World War. (Truck crops).—*b.* Savannah, Tenn., Aug. 4, 1890; *s.* J. W. T.; reared on farm. B.S.A., Univ. Tenn., 1916.

Taff, Paul Clifford, ext. prof. farm crops and soils, asst. dir. ext., Ia. State Coll., Ames, Ia.

Assoc. ed., Corn Magazine, 1914.—*b.* Funks' Grove, Ill., Feb. 28, 1887; *s.* Alexander and Anna (Kaiser) T.; reared on farm; *m.* Gertrude Carberry, June 1913; *c.* Jas. A., Anne Marie. B.S., Ia. State Coll., 1913. Alpha Zeta.

Taft, Levi Rawson, state insp. nurseries and orchards, Mich. Agr. Coll., E. Lansing, Mich.

Asst. prof. hort., Mass. Agr. Coll., 1882-5; asst. prof. hort., Univ. Mo., 1885-8; prof. hort. and lands. gard., Mich. Agr. Coll., 1888-1902; hort. Mich. Exp. Sta., 1888-1908; consulting hort. Exp. Sta., 1908-9; state supt. farmers insts., 1902-17; present position, 1902-. General manag., Eveline Orchards, E. Jordan, Mich., 1910-. Chm. hort. jury, St. Louis Expos., 1904; mem. exec. com., Mich. Hort. Soc. and Mich. Agr. Soc.; treas. Amer. Pom. Soc. Croix d'Officier du Merite Horticole, France. *Auth.*: Greenhouse Construction, 1891; Greenhouse Management, 1895.—*b.* Mendon, Mass., Aug. 22, 1859; *s.* Austin A. and Helen M. (Mather) T.; reared on farm; *m.* Ella Sabra Maynard, June 1884; *c.* Grace Helen, Lillian Maynard, Howard Austin, Hazel Charlotte, Harry Goodell, Ethel. B.S., Mass. Agr. Coll., 1882; M.S., Univ. Mo., 1888. Alpha Sigma Phi; Phi Kappa Phi.

Talbert, Thomas J., supt. farmers insts. and ext. schs. and chg. subject matter specialists, Kans. State Agr. Coll., Manhattan, Kans.

Asst. ent. and deputy state nursery insp., Univ. Mo., 1913-4; ext. ent., Kans. State Agr. Coll., 1914-5; ext. asst. prof. ent., Univ. Mo., 1915-7; exec. sec., U. S. Food Adminis. for Mo., 1917-9; ext. assoc. prof. hort., Univ. Mo., Feb.-July 1919; asst. prof. pom., Univ. Calif., Sept.-Dec. 1919; present position, 1920-.—*b.* Exeter, Mo., Mar. 15, 1880; *s.* David and Frances Ruth (Sallee) T.; reared on farm; *m.* Mary Allene Williams, Aug. 2, 1916; *c.* John David. B.S.A., Univ. Mo., 1913; A.M., 1917. Gamma Sigma Delta.

Taliaferro, W. T. L., prof. farm manag., Md. State Coll., College Park, Md.

Princ. graded sch., Gloucester, Md., 1876-81; princ. Bel Air Acad., Md.

1881-6; prof. agr., Md. Agr. Coll., 1892–; acting dean Div. Agr., 1915-7. Sec.-treas. Md. State Weather Serv., 1903–. *Assoc. ed.*, Harford Democrat, Bel Air, Md., 1886-92.—*b.* Gloucester Co., Va., July 20, 1856; *s.* Wm. Booth and Sally (Lyons) T.; reared on farm; *m.* Emily Franklin Johnson, June 18, 1896. A.B., William and Mary Coll., 1876; D.Sc., Md. Agr. Coll. Phi Beta Kappa; Beta Theta Pi.

Talmage, Henry Raynor, farmer, Riverhead, N. Y.
Vice-pres. L. I. Cauliflower Assoc.; pres. Corinna Seed Potato Farms, Inc., (Seed potatoes).—*b.* Westhampton, N. Y., Dec. 28, 1871; *s.* Nathaniel M. and Mary F. (Raynor) T.; reared on farm; *m.* Ellen E. Wells, July 25, 1895; *c.* Nathaniel A., Christine. Short-course student, Cornell Univ., 1894.

Talman, Charles Fitzhugh, prof. meteorology and librarian, U. S. Weather Bur., Washington, D. C.
In chg. meteorological stations in S. Amer. and W. Indies, 1898-9. Sec. meteorological subsect., 2d Pan Amer. Sci. Congress. (Terminology and nomenclature of meteorology).—*b.* Detroit, Mich., Aug. 31, 1874; *s.* Robt. Fitzhugh and Jessica (Mack) T.; reared in city; *m.* Grace F. Edes, Nov. 16, 1909; *c.* Constance Elizabeth Marjorie, Benj. Long Edes. Student Kalamazoo Coll., 1893-4.

Tanner, George Leroy, co. agrl. agt., Rigby, Ida.
Minister in Ind., 1915-7.—*b.* N. Powder, Ore., Nov. 30, 1891; *s.* Wm. and Lillias (Spiers) T.; reared on farm. B.S., Utah Agr. Coll., 1915.

Tanner, Russell Vaughn, co. agrl. agt., Hastings, Mich.
Farmer, Jackson, Mich., 1912-5. Capt. Infantry, U. S. Army, 1917-9.—*b.* Jackson, Mich., July 6, 1886; *s.* Harvey Clinton and Alice Jane (Russell) T.; reared on farm; *m.* Anna Beatrix Skeels, June 4, 1912; *c.* Jas. Harvey, John Clinton. B.S., Mich. Agr. Coll., 1909.

Tanquary, Maurice Cole, state ent. of Tex., Exp. Sta., College Station, Tex.
Asst. ent., Univ. Ill., 1907-12; instr. *ent., Kans.* State Agr. Coll., 1912-3; zool., Crockerland Arctic Exped., 1913-6; asst. prof. ent., Kans. State Agr. Coll., 1916-20; present position, 1920–. Fellow Amer. Geographic Soc.—*b.* Lawrence Co., Ill., Nov. 26, 1881; *s.* Thos. J. and Flora (Cole) T.; reared on farm; *m.* Josephine Woodward Perry, July 1, 1916; *c.* Jean. A.B., Univ. Ill., 1907; M.A., 1908; Ph.D., 1912. Sigma Xi; Phi Kappa Phi; Gamma Sigma Delta.

Tate, Alfred, co. agrl agt., Waterloo, Ill.
Supt. high-sch., Rollo, Ill., 1914-8. (An. husb.).—*b.* Belleville, Ill., May 15, 1882; *s.* John and Martha J. (Reynolds) T.; reared on farm; *m.* Lulu Stolle. B.S., Univ. Ill., 1914.

Tatum, Bird Evalyn, home dem. agt., Newport, Ark.
Teach. dom. art, Crescent Coll. Eureka Springs, Ark. State chm. food production and conservation, Nat. Council Defense. Del. to League of Nations Convention, St. Louis, 1919.—*b.* Ola, Ark., Mar. 8, 1883; *d.* E. U. and Rosa (Foster) Thomas; reared in town; *m.* Hiram Abiff Tatum, Sept. 20, 1900; *c.* Rosalyn, Madge. Student Talloway Female Coll., 2 yrs.

Taubenhaus, Jacob Joseph, chief div. plant path. and physiology, Tex. Exp. Sta., College Station, Tex.
Assoc. plant path., Del. Exp. Sta., 1909-15; present position, 1916–. *Auth.*: Culture and Diseases of Sweet Peas, 1917; Truck Crop Diseases, 1918; Diseases of Greenhouse Crops, 1920.—*b.* Palestine, Oct., 1884 (naturalized 1908); *s.* Meyer and Bet Sheba (Laeh) T.; reared on farm; *m.* Esther Michla Hirchenson, 1910; *c.* Leon Yahir. B.S., Cornell Univ., 1908; M.S., 1909; Ph.D., Univ. Penn., 1913. Sigma Xi.

Taylor, Albert D., lands, arch., 1900 Euclid Ave., Cleveland, O.
Instr. lands. arch., Cornell Univ., 1906-8; non-resident prof. lands. arch., Ohio State Univ., 1915–; lands. arch., Boston, 1908-14; Cleveland, 1914–. Traveled in Europe, 1907. *Auth.*: Shade Trees, Care and Preservation, 1908; Plants for Landscape Planting, 1916.—*b.* Carlisle, Mass., July 8, 1883; *s.* Nathaniel A. and Ellen F. (Davis) T.; reared on farm; *m.* Genevieve H. Brainerd, June 16, 1917. B.Sc., Mass. Agr.

Coll., 1905; M.S.A., Cornell Univ., 1906. Alpha Sigma Phi; Gamma Alpha; Phi Kappa Phi.

Taylor, Alva Wilmot, prof. social serv., Bible Coll., Columbia, Mo.

Pastor college church and teach., Eureka Coll., 1903-9; present position, 1910–. Mem. Com. on Rural Church, Fed. Council of Churches; chm. Comn. on Social Serv., Disciples of Christ; dir. Mo. rural survey for Interchurch World Movement. Del. to Ecumenical Missionary Conference, Edinburg, 1900. Traveled in Europe, 1 yr.; studied Irish tenant problem. *Auth.*: Social Work of Christian Missions, 1911. Contributing ed., Christian Century, Chicago.—*b.* Anamosa, Ia., Nov. 15, 1871; *s.* L. S. and Mary Ellen (Mershon) T.; reared on farm; *m.* Mary Gertrude Price, Apr. 30, 1902; *c.* Mary Ruth, McLean. B.Ph., Drake Univ., 1896; M.Ph., Univ. Chicago, 1910.

Taylor, Carl C., assoc. prof. rural sociol. and econ., Univ. Mo., Columbia, Mo.

Instr. public speaking, Tex. Univ., 1911-3; instr. econ. and sociol., Mount Holyoke Coll., 1915; present position, 1916–. Has chg. rural church. Sec. Mo. Country Life Assoc.; chm. Rural Welfare Sect., State Conference of Social Work. *Auth.*: (with Shurter) One Hundred Public Questions Briefly Debated, 1913; The History and Method of the Social Survey, 1919.—*b.* Harlan, Ia., Dec. 16, 1884; *s.* L. S. and Mary Ellen (Mershon) T.; reared on farm; *m.* Euphie E. Ramsey, June 24, 1914. B.A., Drake Univ. 1911; M.A., Tex. Univ., 1914; Ph.D., Univ. Mo., 1917. Beta Sigma Phi; Delta Sigma Rho.

Taylor, Charles Arthur, co. agrl. agt., Herkimer, N. Y.

Instr. agr., high-sch., Hancock, N. Y., 1911-4; manag. Herkimer Co. Farm Bur., 1915–. Pres. N. Y. State Organization Farm Bur. Managers, 1920.—*b.* Norwich, N. Y., June 6, 1886; *s.* Chas. Byron and Emily Florence (Pulford) T.; reared on farm; *m.* Edna Louise Ferris, Aug. 21, 1912; *c.* Chas. A. Jr., Florence Louise, Robt. B. Student Cornell Univ.

Taylor, Edwin, farmer, Edwardsville, Kans.

Mem. Kans. Sch. Book Comn., 1892-4; pres. Kans. State Hort. Soc., 1906-7; pres. Mo. Valley Hort. Soc.; pres. Wyandotte Co. Farm Bur.; pres. Kans. State Bd. Agr., 1902-3; regent Kans. State Agr. Coll., 1907-13. Mem. Kans. Senate, 1892-6; mem. House of Rep., 1896-8.—*b.* Tecumseh, Mich., July 23, 1844; *s.* Joshua and Mary (Comfort) T.; *m.* Lydia Baldwin Swan, Aug. 19, 1879. Student Univ. Mich., 2 yrs.

Taylor, Estes Park, dir. agrl. ext. and asst. dean Coll. Agr., Univ. Ariz., Tucson, Ariz.

Asst. bot. and ent., Univ. Ky., 1903; asst. to state ent., Univ. Ill., 1904-6; Colo. Exp. Sta., 1906-8; private hort. and agrl. consultant, 1908-10; Mo. State Fruit Exp. Sta., 1910-2; field hort., Univ. Ida., 1913-5; present position, 1916–. Contributing ed., Better Fruit. —*b.* Loveland, Colo., Sept. 17, 1879; *s.* Z. and Winona (Washburn) T.; reared on farm; *m.* Mary Waldo, 1905. B.S.A., Colo. Agr. Coll., 1902.

Taylor, Fred Wellington, dean agr., N. H. Coll., Durham, N. H.

With U. S. Dept. Agr., 1901-3; prof. agron., N. H. A.&M. Coll., 1903-16; dean agr., 1916–. (Grain crops, soil fert.).—*b.* Wooster, O., Jan. 25, 1876; *s.* Samuel and Susan (Albright) T.; reared on farm; *m.* Jessie L. Stocker, Dec. 23, 1903; *c.* Ralph, Julia, Sam. B.Sc., Ohio State Univ., 1900. Sigma Xi; Alpha Zeta.

Taylor, Frederic William, agrst., 3939 W. Seventh Street, Los Angeles, Calif.

Prof. hort., Univ. Neb., 1891-3; sec. Exp. Sta., 1894-5; chief agr. and hort., Omaha Expos.; chief agr., foods and for., Buffalo Expos.; chief agr. and hort., St. Louis Expos. Practised irrig. engin., Denver until 1911; dir. agr., Philippine Isls., 1911-4. Sec. Neb. State Hort. Soc., 1892-5. Fellow Royal Geographic Soc. Introduced cereals from Russia, 1897. Traveled in Europe and around world. Decorated by France, Legion of Honor, Japan, Order of Rising Sun, Italy, Order of the Crown, Portugal, Order of Christ. Farm owner in Calif., Mo., Colo., Ariz. (Irrig. and crops).—*b.* Weeping Water,

Neb., Apr. 13, 1860; *s.* Wm. and Sophronia (Isbell) T.; *m.* Marion Treat, 1898; *c.* 3 sons, 2 daughters.

Taylor, George Everett, farmer and stock-breeder, Shelburne, Mass.

Mem. State Bd. Agr., 6 yrs.; mem. State Dairy Bur., 5 yrs. Pres. New England Corn Assoc., 2 yrs.; dir. and pres. Mass. Corn Show; pres. New England Shorthorn Breeders Assoc.; pres. Franklin Co. Agrl. Soc.; dir. Franklin Co. Farm Bur.; mem. exec. com. Mass. Dairymans Assoc. (Milking Shorthorn cattle).—*b.* Shelburne, Mass., June 10, 1871; *s.* Geo. Elias and Victoria Amanda (Green) T.; reared on farm; *m.* Lila Harrington, Sept. 27, 1893; *c.* Elliot Hubbard, Dorothy Victoria. B.Sc., Mass. Agr. Coll., 1892. Phi Kappa Phi.

Taylor, Grace DeEtte, home dem. agt., Quincy, Ill.

Dean of women, Hedding Coll., Abingdon, Ill., 1917-8; emergency dem. agt., 1918-9; home dem. agt. Adams Co., 1919–.—*b.* Green City, Mo., Dec. 27, 1887; *d.* Thos. Corwin and Leona Jane (Edson) T.; reared in town. B.S., Univ. Ill., 1917.

Taylor, Harry English, farmer, Freehold, N. J.

Pres. Co. Bd. Agr., 1919; pres. N. J. Council of Co. Bds. Agr., 1920–; mem. exec. com., Amer. Farm Bur. Fed., 1920; mem. exec. com., N. J. State Grange, 1920. Potatoes.—*b.* Englishtown, N. J., Aug. 8, 1874; *s.* Joseph W. and Anna A. (English) T.; reared on farm; *m.* Anna H. DeBoos, Dec. 28, 1899; *c.* Mary D., Joseph W., Myron L. Student Colgate Univ., Brown Univ. Delta Upsilon.

Taylor, Henry Charles, chief Off. Farm Manag., U. S. Dept. Agr., Washington, D. C.

Instr. economics, Univ. Wis., 1901; chief dept. agri. econ., 1908-19; present position, 1919–. Author: Introduction to the Study of Agricultural Economics, 1906. Agricultural Economics, 1919.—*b.* Stockport, Ia., Apr. 16, 1873; *s.* Taylor T. and Hannah Marie T.; reared on farm; *m.* Elizabeth Sumner, June 17, 1904; *c.* Esther Elizabeth. B.Agr., Ia. State Coll., 1896. M.S.A., 1898; Ph.D., Univ. Wis., 1902; student London Sch. Econ., 1899; Halle-Wittenberg Univ., 1900; Univ. Berlin, 1900-1. Phi Kappa Phi; Alpha Zeta.

Taylor, Henry Magruder, field agt., U. S. Bur. Crop Estimates, Richmond, Va.

Manag. Edgemont Fruit and Stock Farm, Albemarle Co., Va., 1913-7; chief asst., Jefferson Sch. for Boys, 1915-7; manag. Boys Home Farm, Covington, 1919; present position, 1920–. 2d Lieut. Infantry, U. S. Army; served with A. E. F. (Agrl. statistics).—*b.* Edgemont, Va., Jan. 23, 1892; *s.* Garland B. and Lucy A. (Magruder) T.; reared on farm. B.A., Richmond Coll., 1912; M.A., Univ. Va., 1915. Phi Kappa Sigma.

Taylor, John C., co. agt. leader, Mont. State Coll., Bozeman, Mont.

Live-stock, agron.—*b.* Utica, Mont., Oct. 15, 1887; *s.* L. B. and Augusta C. (Jonson) T.; reared on ranch; *m.* Helen E. Shiell, Apr. 22, 1915; *c.* Janet Caroline, Helen Douglas. B.S.A., Mont. State Coll., 1912. Sigma Chi.

Taylor, Ralph Hawley, asst. to chief, Div. Plant Ind., State Dept. Agr., Sacramento, Calif.

Instr. agr., Imperial Valley Union High-Sch., Calif., 1910-1; Siskiyou Co. High-Sch., 1911-2; instr. hort., Univ. Calif., 1912-3; instr. pom., 1913-5; asst. prof., 1915-9. Author: Correspondence Course in Almond Culture, 1914, rev., 1917. (Almonds, nuts, deciduous fruits).—*b.* Oakland, Calif., Dec. 13, 1884; *s.* Archibald Leard and Fannie Elizabeth (Hawley) T.; reared on farm; *m.* Sarah Elizabeth Grover, June 17, 1917; *c.* Harriet Hastie. B.S., Univ. Calif., 1912. Alpha Zeta.

Taylor, William Septimus, head dept. rural life and prof. agri. educ., Penn. State Coll., State College, Pa.

Assoc. prof. agri. educ., Univ. Tex., 1913-8; prof. rural educ., Cornell Univ., Feb.-Apr. 1918; present position, 1918–; fed. agt. for agri. educ., Pacific Coast Region, Oct. 1918-Sept. 1919.—*b.* Beaver Dam, Ky., Jan. 20, 1885; *s.* H. S. and Ellen (Cox) T.; reared on farm. B.S.A., Univ. Ky., 1912. M.S., Univ. Wis., 1913. Alpha Zeta. Phi Delta Kappa.

Teal, Paul H., co. agrl. agt., Martinsburg, W. Va.

Instr. agr. and sci., high-sch., Devil's Lake, N. D., 1914-6. (Field crops, soil fert.).—*b.* Arcadia, Ind., Mar. 20, 1890; *s.* John C. and Mary Elizabeth (Knause) T.; reared on farm and in town; *m.* Margaret Faith Shaffer, June 25, 1919. B.S., Purdue Univ. Sigma Xi.

Teall, John Robert, gen, manag., Onondaga Milk Producers Coop. Assoc., Syracuse, N. Y.

Formerly co. agrl. agt., Onondaga Co. —*b.* Lysander, N. Y., Jan. 1, 1889; *s.* John S. and Emma (Terpenning) T.; reared on farm; *m.* Jean L. Gooch, July 14, 1914; *c.* Barbara Jean. B.S.A., Cornell Univ., 1914. Alpha Zeta.

Teele, Ray Palmer, special agt. in chg. irrig., U. S. Census, Washington, D. C.

Editorial asst., Off. Exp. Stas., U. S. Dept. Agr., 1899-1910; special agt. in chg. irrig., U. S. Census, 1910-2, 1919-; irrig. econ., U. S. Dept. Agr., 1912-9. *Auth.*: Irrigation in the United States. —*b.* Filmore Co., Minn., Oct. 22, 1868; *s.* Edwin and Sarah (Dearborn) T.; reared in small town; *m.* Mary G. Hazard, Nov. 11, 1897; *c.* Ray P. Jr. A.B., Univ. Neb., 1897; A.M., 1899. Delta Tau Delta.

Teeter, Marcus Elmo, co. agrl. agt., Luverne, Minn.

Teach. sci. and athletics, high-sch., Mitchell, S. D., 1908-9; teach. agr., high-sch., Canby, Minn., 1909-10; silo salesman, 1910-7; farmer, 1913-8. Sec. Rock Co. Agrl. Soc., 1918; co. labor agt., 1918.—*b.* Monticello, Ind., Nov. 19, 1883; *s.* Dennis Perry and Maggie (Reid) T.; reared on farm; *m.* Bernice Ruble, June 28, 1914; *c.* Marcus Jr., Earle Arthur. B.S.A., Purdue Univ., 1908. Alpha Epsilon.

Teeter, Thomas Anderson Hendricks, prof. irrig. engin., Ore. Agr. Coll., Corvallis, Ore.

Asst. civil engin., Purdue Univ., 1907-8; instr., Univ. Penn., 1908-9; instr. mech. and materials of construction, Penn. State Coll., 1909-10; asst. prof. civil engin., Univ. S. Calif., 1910-1; instr. civil engin., Cornell Univ., 1911-3; asst. prof. civil engin., Ore. Agr. Coll., 1913-4; prof. irrig. engin., 1914-. Mem. Ore. Water Power Comn.—*b.* Rolling Prairie, Ind., Feb. 12, 1886; *s.* Edwin Jordan and Emily Ann (Ocker) T.; reared on farm; *m.* Katherine Monnell Hitchcock, Sept. 1, 1915; *c.* Robt. Thos. B.S., Purdue Univ., 1907.

Temple, Charles Edward, prof. plant path. and state path., Md. State Coll., College Park, Md.

Instr. bot., Univ. Mich., 1909-11; prof. bot. and state bot., Univ. Ida., 1911-4; present position, 1914-.—*b.* Stanberry, Mo., Nov. 4, 1877; *s.* Geo. B. and Susan (Ross) T.; reared on farm; *m.* Martha Gladstone, 1907; *c.* Margaret E., Martha Ross, Helen D., Robt. Gladstone. A.B., Univ. Neb., 1906; A.M., 1909.

Templeton, George Streator, prof. an. husb. and an. husb. Exp. Sta., Ala. Poly. Inst., Auburn, Ala.

Instr. an. husb., Tex. A.&M. Coll., 1911-2; asst. prof., 1912-3; present position, 1913-. Mem. Live-Stock Sanitary Bd. for Ala.; sec. Ala. Live-Stock Assoc.—*b.* Rich Hill, Mo., Jan. 1, 1887; *s.* Geo. and Emma (Streator) T.; reared in town; *m.* Catherine Bradley, Sept. 19, 1912. B.S.A., Univ. Mo., 1911. Phi Kappa Phi; Gamma Sigma Delta.

Tenny, Lloyd Stanley, fruit-grower, Hilton, N. Y.

Asst. path., U. S. Dept. Agr., 1902-4; pom., 1904-8; first state leader farm burs., N. Y., 1911-2; sec. manag., Fla. Growers and Shippers League, Orlando, Fla., 1913-6. Chm. exec. com., Fla. State Plant Bd.; sec. Fla. East Coast Growers Assoc., 1917; vice-pres. Eastern Fruit and Produce Exchange, Rochester, N. Y., 1918; vice-pres. N. Amer. Fruit Exchange, N. Y. City, 1918; sec. Coral Reef Nurseries, Miami, Fla.; pres. Southern States Produce Distributors.—*b.* Hilton, N. Y., Dec. 24, 1876; *s.* Delos P. and Fannie (Lee) T.; reared on farm; *m.* Abby Warn, June 1, 1907; *c.* Fannybelle Lee, Stanley Warn, Lloyd S. Jr. Student Univ. Rochester and Cornell Univ. Alpha Delta Phi.

Terrill, Bertha Mary, prof. home econ., Univ. Vt., Burlington, Vt.

Teach. acad., Milton, N. H., 1895-6; teach. Greek, Abbot Acad., Andover,

Mass., 1896-1900; prof. home econ., Sch. Religious Pedagogy, Hartford, Conn., 1901-9; present position, 1908–. Traveled in Europe, 1913.—*b.* Morristown, Vt., Dec. 11, 1870; *d.* Newton A. and Mary (Cheney) T.; reared on farm. A.B., Mt. Holyoke Coll., 1895; M.A., Univ. Chicago, 1908.

Terrill, George H., farmer, Morrisville, Vt.

Foreman crops, W. H. Miner farm, Chazy, N. Y., 4 yrs. Mem. Vt. State Fair Comn., 12 yrs.; lect. on dairying and fruit-growing, Bd. Agr., 12 yrs.—*b* Morrsville, Vt., Oct. 1, 1863; *s.* Newton A. and Mary Stevens (Cheney) T.; reared on farm.

Test, Ralph, co. agrl. agt., Newcastle, Ind.

Supt. schs., Dunreith, Ind., 1915-7; inst. speaker, Purdue Univ., 1918. In U. S. Army, World War.—*b.* Dalton, Ind., May 23, 1891; *s.* Zack and Jennie (Baldwin) T.; reared on farm; *m.* Lena D. Shively, Mar. 29, 1913; *c.* Dorothy Ellen. Student Earlham Coll.

Teuton, Frank L., prof. and dir. dept. agr., W. Tenn. State Normal Sch., Memphis, Tenn.

Teach. agr., high-sch., Ky., 1 yr.; Tenn., 2 yrs.; agrl. agt. Moore Co., Tenn., 1 yr.; specialist farm machinery, U. S. Dept. Agr.—*b.* Right, Tenn., July 31, 1891; *s.* Wm. and Elnora (Wilkinson) T.; reared on farm; *m.* Martha J. Mecoy, July 27, 1918. B.S., Geo. Peabody Coll., 1918.

Thackston, George Blake, teach. voc. agr., high-sch., Smyrna, Tenn.

Teach. agr., high-sch., Carthage, Tenn., and agrl. agt. Smith Co., 1914-6; agron., Tenn. Poly. Inst., 1917-8, May-Oct., 1919; present position, 1919—. 2d Lieut. Infantry, U. S. Army, 1918-9; served with A. E. F.—*b.* Chestnut Mound, Tenn., May 25, 1892; *s.* Geo. W. and Fannie (Nichols) T.; reared on farm; *m.* Margaret Chapman, Feb. 22, 1916; *c.* Blake Chapman. B.S.A., Univ. Tenn., 1914. Sigma Phi Epsilon; Phi Kappa Phi.

Thatcher, Herbert K., distr. agrl. agt., Little Rock, Ark.

Asst. athletics, Univ. Mo., 1914-5; co. agrl. agt. Pope Co., Ark. In Coast Artillery, U. S. Army, 1918–.—*b.* McCrakin, Kans., Feb. 6, 1891; *s.* E. L. McCurry and Eva (Noll) M.; adopted by aunt, Mrs. S. B. Thatcher; reared on farm; *m.* Lila Lorain Dalton, Aug. 14, 1915; *c.* Herbert K. Jr., Jean Dalton. B.S.A., Univ. Mo., 1915.

Thatcher, Roscoe Wilfred, dean Dept. Agr. and dir. Exp. Sta., Univ. Minn., University Farm, St. Paul, Minn.

Teach., high-sch., Beatrice, Neb., 1899-1900; asst. chem., Neb. Exp. Sta., 1900-1; Wash. Exp. Sta., 1901-3; chem., 1903-13; dir., 1907-13; prof. agrl. chem. and head dept., Wash. State Coll., 1900-3; prof. agrl. chem., Univ. Minn., 1913-7; present position, 1917–. Fellow A. A. A. S. Pres. Amer. Soc. Agron., 1912; pres. Soc. Promotion Agrl. Sci., 1919 and 1920. (Agrl. biochem.).—*b.* Chatham Center, O., Oct. 5, 1872; *s.* Chas. P. and Lida E. (Packard) T.; reared on farm; *m.* Nellie Elizabeth Fulmer, Aug. 25, 1896; *c.* Lida M. B.Sc., Univ. Neb., 1898; M.A., 1901. Sigma Xi; Phi Beta Kappa; Alpha Zeta; Gamma Sigma Delta; Alpha Chi Sigma; Alpha Theta Chi.

Thom, Charles, mycologist in chg. Microbiol. Lab., Bur. Chem., U. S. Dept. Agr., Washington, D. C.

Instr. biol., bot. and asst. prof. bot., Univ. Mo., 1897-1902; asst. bot., Cornell Univ., 1902-4; mycologist in cheese invest., Bur. An. Ind., 1904-14; Bur. Chem., 1914–. Del. to Intern. Dairy Congress, Paris, 1906. *Auth.*: (with Fisk) The Book of Cheese, 1918. (Cheese ripening, saprophytic molds).—*b.* Minok, Ill., Nov. 11, 1872; *s.* Angus S. and Louisa E. (Herrick) T.; reared on farm; *m.* Ethel Winifred Slater, Dec. 20, 1906; *c.* Beatrice, Chas. Richard. A.B., Lake Forest Coll., 1895; A.M., 1897; Ph.D., Univ. Mo., 1899.

Thomas, Ernest Kinsey, state leader club work, R. I. State Coll., Kingston, R. I.

Sec. R. I. Hort. Soc. Supt. gardens, bot. dept., Univ. Penn., 1907-8. Fellow Royal Hort. Soc., London.—*b.* Cacrsws, Wales, June 5, 1883 (naturalized 1912); *s.* David Kinsey and Sarah (Kinsey) T.; reared on farm; *m.* Alice E. Beale, Oct. 11, 1913; *c.* Elizabeth Kinsey, Barbara Kinsey. Educ. Wales and Royal Bot. Gardens, Kew, London, England.

A

Thomas, George, prof. econ, Univ. Utah, Salt Lake City, Utah.

Present position, 1918–. *Auth.*: Modern Constitutions, 1907; Civil Government of Utah, 1912; Development of Institutions Under Irrigation, 1920. (Agrl. econ. with special reference to irrig. farming).—*b.* Hyde Park, Utah, Dec. 29, 1866; *s.* Geo. and Mary Ann (Griffiths) T.; *m.* Anna M. Eliason, July 2, 1908. A.B., Harvard Univ., 1896; A.M., 1901; Ph.D., Friedrich Wilhelm Univ., Germany, 1902.

Thomas, Herbert J., co. agrl. agt., Sheridan, Wyo.

Farming, Colo., 8 yrs.—*b.* Barneveld, Wis., Sept. 3, 1884; *s.* Enoch S. and Margaret E. (Thomas) T.; reared in city and on farm; *m.* Elva Harker, Nov. 23, 1910; *c.* Robt. H., Grace E. B.S., Colo. Agr. Coll. Alpha Zeta.

Thomas, Horace, co. agrl. agt., Kaufman, Tex.

Teach. public schs., 1895-1908; manag. Armour & Co., 1911-3; present position, 1918–. Co. Judge, 1908-10.—*b.* Bryan, Tex., Jan. 19, 1873; *s.* W. G. and Sallie (Kimbrough) T.; reared on farm; *m.* Edna Moore, Aug. 26, 1910; *c.* Gladys, Frances. Student Burleson Coll., Baylor Univ.

Thomas, James Lloyd, co. agrl. agt., Geneva, Neb.

Princ. high-schs., Neb., 3 yrs.; instr. agr., Univ. Neb., 2½ yrs.; farmer, Lancaster Co., 2 yrs.—*b.* Dawson, Neb., Mar. 3, 1885; *s.* David L. and Eleanor I. (Jones) T.; reared on farm; *m.* Mary E. Hall, June 14, 1917. B.S., Univ. Neb., 1909.

Thomas, Jesse Raymond, co. agrl. agt., Roswell, N. Mex.

b. Detroit, Kans., Apr. 7, 1882; *s.* Jesse and Harriet (Jones) T.; reared on farm; *m.* Eva Stitzel, Dec. 25, 1917; *c.* Jesse R. Jr. B.S., Okla. A.&M. Coll., 1915.

Thomas, Orville Alvin, manag. dept. coop. business, Farmers Educ. and Coop. Union of Va., Bedford, Va.

Head bookkeeper, Floeti Lumber Co., Spencer, Ia., 1902-5; dairyman, Va., 1905-12; princ. and dir. agr., 6th Distr. Agrl. High-Sch., Va., 1915-7; agrl. agt. Bedford Co., 1918-9; present position, 1919–. Del. to Nat. Farmers Union Convention, Memphis, 1918. Pres. Bedford Co. Farmers Union; vice-pres. Coop. Exchange, Inc., Bedford.—*b.* Grant Co., Wis., Oct. 13, 1875; *s.* Thos. and Mary (Heathcote) T.; reared on farm; *m.* Matilda J. Macdonald, Sept. 19, 1906; *c.* Macdonald, Stuart, Virginia, Elizabeth. B.S., Valparaiso Univ., 1898; LL.B., 1902.

Thomas, Walter Collins, co. agrl. agt., Denton, Md.

b. Centerville, Md., June 10, 1893; *s.* Robt. Wright and Annie H. (Collins) T.; reared on farm. B.S., Penn. State Coll., 1918.

Thompson, Benjamin Harrison, asst. prof. dairy husb., Univ. Neb., Lincoln, Neb.

Grad. asst. dairy husb., Univ. Neb., 1916-7; instr. dairy production, 1917-8; asst. prof., 1919–. Sergeant, U. S. Army, 1918.—*b.* Franklin, Neb., Jan. 5, 1889; *s.* Jas. L. and Martha E. (Zediker) T.; reared on farm. B.S.A., Univ. Neb., 1916. Gamma Sigma Delta.

Thompson, Benjamin Lee, asst. prof. an. husb., Ohio State Univ., Columbus, O.

Prof. an. husb. and dairying, Dunn Co. Sch. Agr., Menomonie, Wis., 1908-9; instr. an. husb., S. D. State Coll., 1909-12; assoc. prof., 1912-8; present position, 1918–.—*b.* Pataskala, O., Mar. 31, 1884; *s.* Chas. P. and Cora Belle (McMillen) T.; reared on farm; *m.* Harriet Rebecca McCoy, Sept. 15, 1909; *c.* Frances, Chas. Lester, Benj. Lee Jr. B.S.A., Ohio State Univ., 1908.

Thompson, Carl William, in chg. div. coop. marketing, Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Asst. prof. econ., S. D. State Univ., 1905-8; prof. econ. and sociol., 1908-10; asst. prof. econ., Univ. Minn., 1910-1; assoc. prof. and dir. bur. research in agrl. econ., 1911-3; specialist in rural organization and project leader food surveys, Bur. Markets, 1913-9. (Agrl. econ.).—*b.* Evansville, Minn., Nov. 21, 1879; *s.* Wm. and Sina (Bordsen) T.; reared in town; *m.* Hannah Hegge, Aug. 2, 1913; *c.* C. Wm. Jr., Helen Aileen, Ruth Eleanor. A.B., S. D. State Univ., 1903; A.M., Harvard Univ., 1904.

Thompson, Charles Augustus, asst. prof. agron., N. Mex. A.&M. Coll., State College, N. Mex.

Asst. soils, Wash. State Coll., 1917. —*b.* O., Mar. 22, 1888; *s.* S. and Emma (Robinson) T.; reared on farm; *m.* Marie Savage, Dec. 25, 1914; *c.* Chas. Arthur. B.S., Wash. State Coll., 1914.

Thompson, Charles Henry, asst. prof. hort., Mass. Agr. Coll., Amherst, Mass.

Instr. bot., Washington Univ., 1893-5; asst. bot., Mo. Bot. Gard., 1895-6; instr., Mo. State Univ., 1896-7; chg. dept. succulent plants, Mo. Bot. Gard., 1897-9, 1904-12; asst. bot., 1912-5; present position, 1915-. Bot. explorations, Mex., summer 1910.—*b.* Turlock, Calif., June 23, 1870; *s.* Rufus Sheldon and Clarinda Elizabeth (Baker) T.; reared on farm and in town; *m.* Bertha Henney, Jan. 30, 1900; 2d, Cora J. Hogan, Nov. 2, 1912; *c.* Frances Clarinda, Rufus Henney. B.Sc., Kans. State Agr. Coll., 1893; M.Sc., 1898. Sigma Xi.

Thompson, Elmer John, prof. an. husb., N. D. Agr. Coll., Agricultural College, N. D.

Sec. N. D. Stallion Registration Bd.; sec. N. D. Aberdeen Angus Breeders Assoc. (Beef cattle, sheep).—*b.* Nameoki, Ill., Apr. 1, 1886; *s.* John Wesley and Frances Jane (Cain) T.; reared in town and on farm; *m.* Ethyle Clarice Peterson, Aug. 28, 1915; *c.* Martha Wesley, Vance Elmer. B.S.A., Univ. Ill., 1910. Phi Sigma Kappa; Alpha Gamma Rho; Phi Kappa Phi.

Thompson, Frank F., prof. rural educ., State Normal, Springfield, Mo.

Princ. schs., Polo, Mo., 1896-1903; comnr. of schs., Caldwell Co., 1897-1902; supt. schs., Canon City, Colo., 1903-9; supt. schs., Marshall, Mo., 1910-2; present position, 1912-. (Rural econ. and sociol.).—*b.* Vinton, Ia., Aug. 2, 1866; *s.* Richard R. and Henrietta (Leamer) T.; *m.* Ethel Barton Swearingen, June 28, 1905. B.A., Univ. Mo., 1896; M.A., 1917. Phi Delta Kappa.

Thompson, George Eldon, agron., Ariz. Exp. Sta., Tucson, Ariz.

Sci. asst., U. S. Dept Agr., 1911-2; distr. agrl. agt., Kans., 1913; supt. state expl. farms, Kans., 1914-5; crop specialist, Kans. State Agr. Coll., 1916-7; present position, 1918-.—*b.* Wabannsee Co., Kans., July 30, 1889; *s.* C. H. and Minnie (Rand) T.; reared on farm; *m.* Wilma Kammeyer, June 1916; *c.* Robt. E. B.S.A., Kans. State Agr. Coll., 1911. Alpha Zeta.

Thompson, Helen Morton, chief Catalogue Div., Library, U. S. Dept. Agr., Washington, D. C.

b. Boulder, Colo., Mar. 9, 1875; *d.* Nathan and Mary (Dartt) T.; reared in town. A.B., Goucher Coll., 1894; B.L.S., N. Y. State Library Sch., 1903. Delta Gamma.

Thompson, Homer C., prof. veg. gard., Cornell Univ., Ithaca, N. Y.

Asst. in hort., Ohio State Univ., 1908-9; asst. prof. hort., Miss. A.&M. Coll., 1909-10; prof. hort., Clemson Agr. Coll., 1910-1; formerly hort., Bur. Plant Ind., U. S. Dept. Agr.—*b.* Etchison, Md., Jan. 5, 1885; *s.* M. F. and Julia A. (Duvall) T.; reared on farm; *m.* Clara Smith, June 29, 1912. B.Sc., Ohio State Univ., 1909.

Thompson, John, ed.-in-chief, Piecels' Farm Weeklies, Des Moines, Ia.

Formerly asst. chem., Clemson Agr. Coll., asst. agr., Univ. Minn. Formerly ed., Farmer and Breeder, Sioux City, Ia.; Farmer and Stockman, Kansas City.—*b.* Germany, Sept. 22, 1869 (naturalized 1889); *s.* Thos. and Dorathea T.; reared on farm; *m.* Carrie B. Taylor, 1895; *c.* Hugh W., Emily B., Irene M. B.Agr., Univ. Minn., 1895.

Thompson, John Bert, forage crop specialist, Fla. Exp. Sta., Gainesville, Fla.

Fruit farmer, San Bernardino Co., Calif., 1905-6; asst. hort., N. Mex. A.&M. Coll., 1906; agrl. insp. and supt. Singalong Exp. Sta., Manila, P. I., 1907-9; special agt. in chg. Guam Exp. Sta., 1909-14; supt. Glenwood Substa., Hawaii, 1915-7; present position, 1917-.—*b.* Georgeville, Pa., Aug. 14, 1878; *s.* John Gray and Mary J. (Dilts) T.; reared on farm; *m.* Georgia Cobb, Sept. 14, 1917; *c.* Ernestyn Allen. B.S., Kans. State Agr. Coll., 1905.

Thompson, John C., co. agrl. agt., Lewistown, Pa.

Agrl. ext. dept., Penn. State Coll., 1916; agt. Mifflin Co., 1917-.—*b.* Lan-

caster Co., Pa., Mar. 26, 1891; *s.* John Holmes and Ida (Quigley) T.; reared on farm. B.A., Lincoln Univ., 1912; B.S., Penn. State Coll., 1916.

Thompson, Mark Joseph, supt. N. E. Exp. Sta., Univ. Minn., Duluth, Minn.
Distr. superv., U. S. Dept. Agr., 1912-3; present position, 1913–. (Land clearing, farm manag.).—*b.* Winsted, Minn., July 28, 1884; *s.* John P. and Ann (Mulvaney) T.; reared on farm; *m.* Leola M. Howard, Jan. 12, 1915; *c.* Genevieve Ann, Arthur. B.S., Univ. Minn., 1911; M.S., 1912. Sigma Xi; Alpha Zeta.

Thompson, Samuel Holliston, farm manag. dem. and asst. co. agt. leader, Ia. State Coll., Ames, Ia.
b. McLeod Co., Minn., June 25, 1891; *s.* Andrew and Laura (Holliston) T.; reared on farm. B.S.A., Univ. Minn., 1914. Alpha Zeta.

Thompson, Warren Simpson, acting prof. rural organization, Cornell Univ., Ithaca, N. Y.
Instr., Neb. Wesleyan Univ., 1910-1; instr. sociol., Univ. Mich. *Auth.*: Population: A Study in Malthusianism, 1915.—*b.* Weeping Water, Neb., Apr. 29, 1887; *s.* A. H. and Minerva (Hutchinson) T.; reared in town; *m.* Etha Dewey, Sept. 1, 1915. A.B., Neb. Wesleyan Univ., 1907; A M., Univ. Neb., 1911; Ph.D., Columbia. Univ., 1915.

Thompson, Willard Chandler, asst. prof. poultry husb., Rutgers Coll., New Brunswick, N. J.
Acting an. husb., Univ. Ark., 1912-3; present position, 1913–. 2d Lieut. Sanitary Corps, U. S. Army, World War.—*b.* Sun Prairie, Wis., Nov. 24, 1890; *s.* Geo. E. and Frances (Chandler) T.; reared on farm. B.S., Univ. Wis., 1912. Alpha Zeta.

Thoms, Craig Sharp, prof. sociol., Univ. S. D., Vermillion, S. D.
In ministry, 1891-1915; present position, 1915–. State rep. in nat. morality codes contest, 1917. *Auth.*: The Bible Message for Modern Manhood, 1912; The Workingman's Christ, 1914; The Essentials of Christianity, 1919.—*b.* Elgin, Ill., Dec. 20, 1860; *s.* Robt. and Jane (Patrick) T.; reared on farm; *m.* Effie Belle Walker, 1892. A.B., Northwestern Univ., 1888; A.M., 1891; B.D., Univ. Chicago, 1891; Ph.D., Shurtleff Coll., 1901. Phi Kappa Psi.

Thomson, Andrew Samuel, asst. prof. market-gard., Mass. Agr. Coll., Amherst, Mass.
Supt. schs., Mass., 1898-1910; teach. agr. and educ., Clarion Normal, Pa., 1912-5; present position, 1915–.—*b.* Ont., Canada, Sept. 11, 1868 (naturalized 1889); *s.* John K. and Nancy T.; reared on farm; *m.* Ida M. Fiske. Ph.B., Brown Univ., 1898; A.M., Columbia Univ., 1912.

Thomson, Edward H., pres. Fed. Land Bank, Springfield, Mass.
Asst. farm manag. invests., U. S. Dept. Agr., 1909-15; asst. chief Off. Farm Manag., 1915-9; farmer, 1919–; present position, 1919–. (Agrl. econ.).—*b.* Delhi, N. Y., Mar. 6, 1887; *s.* Wm. J. and Belle J. (Mable) T.; reared on farm; *m.* Ethel M. Cutts, Nov. 3, 1915; *c.* Norman E., Marion C., Wm. J. B.S.A., Cornell Univ., 1909; M.S.A., 1911. Sigma Xi; Sigma Phi Sigma.

Thomson, Samuel Mable, agron., Hartford Fire Insurance Co., Hartford, Conn.
Sci. asst., Off. Farm Manag., U. S. Dept. Agr., 1914-7; fruit crop specialist, Bur. Crop Estimates, 1917-20. *Auth.*: (with J. C. Folger) Commercial Apple Industry of North America, 1920.—*b.* Delhi, N. Y., July 22, 1891; *s.* Wm. J. and Isabel (Mable) T.; reared on farm. B.S., Cornell Univ., 1914. Sigma Phi Sigma.

Thordarson, Theodore W., co. agrl. agt., Great Bend, Kans.
Salesmen manag., Northwest Nursery, Md., 1916-7; agrl. agt., Barton Co., Kans., 1919–. Lieut. Field Artillery, U. S. Army, 1917-9.—*b.* Garden, N. D., Nov. 2, 1892; *s.* Grim and Ingibjorg (Hanson) T.; reared on farm; *m.* Kathryn Olafson, Dec. 10, 1917. B.S., N. D. Agr. Coll., 1916. Alpha Zeta.

Thorfinnson, Matthias Adolf, co. agrl. agt., Chinook, Mont.
b. Hensel, N. D., July 10, 1893; *s.* Thorlakur and Gudridur (Skulason) T.; reared on farm; *m.* Olga Inez Ross, July 5, 1918. B.S.A., N. D. Agr. Coll., 1917. Phi Kappa Phi.

Thornber, Walter Strickland, consulting hort., Lewiston, Ida.

Instr. hort. and bot., S. D. State Coll., 1897-1904; prof. hort., Wash. State Coll., 1905-11; dir. Lewiston Clarkston Sch. of Hort., and chief hort., Lewiston Land and Water Co., 1911-4; dir. agrl. ext., Wash. State Coll., 1915-20.—*b.* Rantoul, Ill., Mar. 21, 1874; *s.* Jas. and Ann (Strickland) T.; reared on farm; *m.* Ethelyn L. Henry, Sept. 14, 1906; *c.* Gordon H., Merrill S., Evelyn B. B.S., S. D. State Coll., 1897; M. S., Cornell Univ., 1905.

Thornburg, Mark George, farm manag., Emmetsburg, Ia.

Farmer, 1902-8; formerly prof. an. ind., Ia. State Coll. Capt. Remount Serv., 1918.—*b.* Linden, Ia., June 8, 1882; *s.* Thos. A. and Jennie (Vestal) T.; reared on farm; *m.* Blanche Scholes, Apr. 27, 1904. B.S., Ia. State Coll., 1910. Phi Kappa Psi; Alpha Zeta.

Thorne, Charles Embree, dir. Ohio Agr. Exp. Sta., Wooster, O.

Farm manag., Ohio State Univ., 1877-81; assoc. ed. Farm and Fireside, 1881-8; present position, 1887–. Pres. Amer. Soc. Agron., 1914-5; pres. Soc. for Promotion Agrl. Sci., 1916; pres. Assoc. Amer. Agrl. Colls. and Exp. Stas., 1916. *Auth.*: Farm Manures, 1913. (Soil fert.). —*b.* Greene Co., O., Oct. 4, 1846; *s.* Elijah and Mary (Charles) T.; reared on farm; *m.* Viola J. Hine, May 10, 1871; *c.* Bessie M., Chas. Brooks. M.S.A. (hon.), Ohio State Univ., 1890.

Thornton, Albert A., instr. voc. agr., high-sch., Bristol, R. I.

Poultryman and apiarist, Johnston, R. I., 2 yrs. Served in U. S. Army.—*b.* Providence, R. I., Mar. 10, 1898; *s.* Albert Y. and Etta L. (Angell) T.; reared on farm; *m.* Clara W. Wyatt, Dec. 20, 1919. B.S., R. I. State Coll., 1919. Delta Alpha Psi; Phi Kappa Phi.

Thorpe, Francis Newton, prof. political sci. and constitutional law, Univ. Pittsburgh, Pittsburgh, Pa.

Fellow, lect. and prof. Amer. constitutional history, Univ. Penn., 1885-98; present position, 1910–. Owner fruit farm and vineyard, North East, Pa., 1890–. *Auth.*: An American Fruit Farm, 1915, and numerous volumes on American history and constitutional law.—*b.* Swampscott, Mass., Apr. 16, 1857; *s.* Judah Welles and Rosanna (Porter) T.; reared in town; *m.* Marion Hayward Shreve, 1895; *c.* Marion, Edgerton. Ph.D., Syracuse Univ., 1883; LL.D., 1907; admitted to bar, 1885. Delta Tau Delta.

Thorson, Theodore, co. agrl. agt., Waverly, Ia.

Instr. dairy husb., Univ. Neb., 1915-7; asst. prof., 1917.—*b.* Forest City, Ia., Dec. 3, 1887; *s.* Ole A. and Anna (Bak) T.; reared on farm; *m.* Ava Glesne, June 28, 1917; *c.* Evelyn. B.S., Ia. State Coll., 1915. Lambda Chi Alpha; Gamma Sigma Delta.

Throckmorton, Archibald Hall, prof. law, Western Reserve Univ., Cleveland, O.

Dean Law Sch., Central Univ., Danville, Ky., 1902-11; prof. law, Ind. Univ., Bloomington, 1911-4; present position, 1914–. Mem. Bd. of Health, Cuyahoga Co., O, 1920–. *Ed.*, Law for the Farm column, Farm Journal, Philadelphia, 1901–.—*b.* Loudoun Co., Va., Mar. 28, 1876; *s.* Mason and Annie (Humphrey) T.; reared on farm; *m.* Julia Elizabeth Painter, June 29, 1899. A.B., Roanoke Coll., 1896; A.M., Princeton Univ., 1897; LL.B., Washington and Lee Univ., 1900.

Throckmorton, Ray Iams, prof. soils, Kans. State Agr. Coll., Manhattan, Kans.

Asst. soil survey, Kans. State Agr. Coll., 1911-2; asst. prof. soils, 1913-6; assoc. prof. agron., 1916-8; prof. soils, 1918–.—*b.* Waynesburg, Pa., Dec. 10, 1886; *s.* J. B. and Carrie (Iams) T.; reared on farm; *m.* Marcia Story, June 10, 1916; *c.* Celeste Jane. B.S.A., Penn. State Coll., 1911. Alpha Zeta; Pi Kappa Alpha; Phi Kappa Phi; Gamma Sigma Delta.

Thurston, Arthur Searle, asst. prof. flor. and lands. gard., Md. State Coll., College Park, Md.

Asst. flor., Mass. Agr. Coll., 1914-6; asst. prof. flor., Ia. State Coll., 1916-8; field invest. in marketing hort. products, Mass. Agr. Coll., 1918-9; present position, 1919–. Asst. manag. Midwest Flower Show, Des Moines, Ia., 1917.—*b.* Everett, Mass., Dec. 10, 1891; *s.* Ralph and Nellie (Searle) T.; reared in

town and country; *m.* Janet G. Cation, Dec. 25, 1919. B.Sc., Mass. Agr. Coll., 1914; M.Sc., 1916. Alpha Gamma Rho.

Tibbetts, Frank Albert, instr. agr., high-sch., 248 4th Ave. S., S. St. Paul, Minn.
Private Med. Corps, U. S. Army, World War.—*b.* W. Concord, Minn., Jan. 19, 1896; *s.* A. L. and Nellie (Reed) T.; reared on farm; *m.* Lucile Berger, June 19, 1919. B.S., Univ. Minn., 1918.

Tibbs, Jollie Hilliard, co. agrl. agt., Fincastle, Va.
Princ. Cent. Luzon Agrl. Sch., Munoz, Nueva Ecija, Philippine Isls., 1913-7.—*b.* Sodus, Mich., Oct. 31, 1886; *s.* Henry Lewis and Elizabeth (Aumack) T.; reared on farm; *m.* Hannah Williamson, May 10, 1912. B.S., Mich. Agr. Coll., 1912.

Tiebout, George Leroy, hort. Exp. Sta. and ext. div., La. State Univ., Baton Rouge, La.
Hort., La. Exp., Sta., 1908-14; present position, 1914–. (Truck crops).—*b.* Ennis, Tex., Aug. 15, 1884; *s.* C. A. and Margaret Eugenia (Wagonhauls) T.; reared on farm; *m.* Muriel Kate Watson, Nov. 5, 1907; *c.* Carolyn Elizabeth, Muriel Eugenia, Geo. Leroy, Evelyn Howard. B.S., La. State Univ., 1906.

Tiffany, Ross K., project manag., U. S. Reclamation Serv., Yakima, Wash.
b. Union, Ia., June 11, 1879; *s.* Walter J. and Harriet Emily (Kerr) T.; reared on farm; *m.* Martha Luella Eichar, July 3, 1903; *c.* Ross K. Jr., June. B.C.E., Cornell Coll., 1901; C.E., 1904.

Tillinghast, Benjamin Franklin, fruit-grower, Crescent City, Fla.
Ed., Moline, Ill., Review; city ed., Davenport, Ia., Gazette; ed. Davenport Democrat. Del. from U. S. to Intern. Conference of Red Cross, St. Petersburg, Russia, 1902. *Auth.*: Rock Island Arsenal in Peace and in War. (Citrus fruits).—*b.* E. Greenwich, R. I., July 4, 1849; *s.* Samuel R. and Julia A. (Searle) T.; reared on farm; *m.* Nellie Nourse, Sept. 25, 1878; *c.* Helen. B.S., Monmouth Coll., Ill., 1870. Beta Theta Pi.

Tillman, Benjamin William, co. agrl. agt., Belleville, Ill.
Physical dir., Wentworth Military Acad., 1908-10; sci. asst. reviewing foreign literature on soils and fertilizers, States Relations Serv., U. S. Dept. Agr., 1910-3; sci., U. S. Bur. Soils, 1913-7; prof. soils ext., Univ. Mo., 1910-8; agrl. agt. St. Clair Co., Ill., 1918–.—*b.* Osage Co., Mo., Oct. 26, 1883; *s.* Frank and Elizabeth (Hoerschen) T.; reared on farm; *m.* Amy Berrie, 1910; *c.* Maryn Elizabeth. B.S.A., Univ. Mo., 1907.

Tillson, Charles Burritt, co. agrl. agt., Plattsburg, N. Y.
Farm supt., 1907-13; agt. Clinton Co., 1913–.—*b.* Morris, N. Y., Oct. 5, 1882; *s.* Albert H. and Chloe (Hendrix) T.; reared on farm; *m.* Georgena Johnson, June 8, 1910; *c.* Ena Margaret, Chloe Eleanor, Chas. B. Jr. B.S.A., Cornell Univ., 1907.

Tinkham, Horace W., farmer, Warren, R. I.
Trustee Providence Market Gardeners Assoc.; dir. New England Milk Producers Assoc.; vice-pres. Eastern States Agrl. Expos.; dir. Eastern States Farmers Exchange; dir. Providence Farmers Exchange; mem. R. I. State Comn. Agrl. Inquiry.—*b.* Middleboro, Mass., Dec. 29, 1858; *s.* Andrew L. and Dorothy P. (King) T.; reared in village; *m.* Mary E. Slade, 1882; *c.* Geo. K. M.Agr. (hon.), R. I. State Coll., 1915.

Tisdale, William Herbert Jaffray, prof. an. husb., Univ. Sask., Saskatoon, Sask.
Agrl. rep., Ont., 1913-4.—*b.* Paris, Ont., Apr. 11, 1891; *s.* Herbert Lawrence and Minnie (Jackson) T.; reared on farm; *m.* Edith Rose Black, Sept. 29, 1915. B.S.A., Ont. Agr. Coll., 1913.

Titsworth, Bertha Estelle, state leader home econ. ext. work and home dem. agts., N. H. Coll., Durham, N. H.
Instr. home econ., Cornell Univ., 1913-7; asst. prof., 1917-8; present position, 1918–.—*b.* Farina, Ill., Aug. 21, 1882; *d.* Benj. Franklin and Genevra (Zinn) T.; reared in village. Grad. Pratt Inst., 1911; B.S., Cornell Univ., 1915.

Titus, Edward Gaige, sugar-plant invest., U. S. Dept. Agr., Salt Lake City, Utah.
Asst., Colo. Agr. Coll., 1900-1; field asst. state ent., Ill., 1901-3; special field agt., Bur. Ent., U. S. Dept. Agr., 1903-7;

assoc. prof. zool. and ent., Utah Agr. Coll., 1907-8; prof., 1908-16; ent., Exp. Sta., 1907-16; tech. sugar-plant invest., 1916–. Mem. Utah State Hort. Comn. Pres. Utah Acad. Sci., 1912; sec. Utah Eugenics Soc., 1912–. Fellow A.A.A.S. —*b.* Quaker Street, N. Y., May 26, 1873; *s.* Albert C. and Mary F. (Gaige) T.; reared on farm; *m.* Laura Armstrong, Aug. 29, 1900; *c.* Albert Clarence, Jas. Buss, Alice Bradford. B.S., Harvard Univ., 1911. Gamma Sigma Delta; Sigma Alpha.

Titus, Robert B., teach. agr., high-sch., Wyoming, N. Y.

Teach., Westford Union Sch., 1915-8; Wyoming high-sch. and Middlebury Acad., 1918–.—*b.* Presho, N. Y., Aug. 15, 1888; *s.* Homer S. and Emma (Warner) T.; reared on farm; *m.* Twila D. Smith, Aug. 1914; *c.* Robt. Paul, Colson Rowley. B.S., Cornell Univ., 1915.

Toan, Lewis Austin, sales manag.,Hickox-Rumsey Seed Co., Batavia, N. Y.

Teach. agr., high-sch., Perry, N. Y., 1911-3; agt. Monroe Co., 1913-7; asst. state co. agt. leader, Cornell Univ., 1918-20; present position, 1920–. Traveled Denmark, Sweden, England for Hickox-Rumsey Co., 1919.—*b.* Perry, N. Y., Oct. 3, 1886; *s.* Chas. H. and Stella (Wylie) T.; reared on farm; *m.* Jessie C. Scott, Oct. 1918; *c.* Chas S. B.S.A., Cornell Univ., 1908. Sigma Phi Epsilon.

Toland, Willamay, home dem. agt., Berkshire Co. Farm Bur., Pittsfield, Mass.

b. Manchester, N. H., May 18, 1892; *d.* W. J. and Mary (Armstrong) T.; reared in city and on farm. B.S., Simmons Coll., 1917.

Tolley, Howard Ross, sci. asst., Off. Farm Manag., U. S. Dept. Agr., Washington, D. C.

Instr., high-sch., Michigan City, Ind., 1910-1; U. S. Coast and Geodetic Survey, 1912-4; present position, 1915–. (Econ. of farm power and machinery). —*b.* Howard Co., Ind., Sept. 30, 1889; *s.* Elmer E. and Mollie (Grindle) T.; reared on farm; *m.* Zora Frances Hazlett, May 8, 1912; *c.* Edwin Grant. B.S., Marion, Ind., Normal Coll., 1906; A.B., Ind. Univ., 1910.

Tomhave, William Henry, prof. an. husb., Penn. State Coll., State College, Pa.

Asst. an. husb., Penn. State Coll., 1907-8; live-stock expert, Chinese govt., 1908-10; live-stock ext., Univ. Minn., 1910-2; present position, 1912–. Fellow A.A.A.S. *Assoc. ed.,* Practical Farmer. —*b.* Fergus Falls, Minn., Dec. 19, 1881; *s.* Peter and Wilhelmina (Ladwig) T.; reared on farm; *m.* Viola Marsden, July 7, 1910; *c.* Viola E. B.S.A., Univ. Minn., 1907. Alpha Zeta.

Tompkins, Arthur W., co. agrl. agt., Hayti, S. D.

Asst. co. agt. leader, S. D. State Coll., Jan.-July 1918. In U. S. Army, 1918. (An. husb.).—*b.* Wyoming, Ia., Aug. 6, 1895; *s.* Albert T. and Margaret (Shaffer) T.; reared on farm. B.S., S. D. State Coll., 1918.

Tompson, Harold F., prof. and head dept. market-gard., Mass. Agr. Coll., Amherst, Mass.

Teach. hort., Mt. Hermon, Mass., 1 yr.; instr. market-gard. and supt. hort. field work, Mass. Agr. Coll., 1907-10; commercial market-gard., 1910–; present position, 1915–; supt. market-gard. field sta., Lexington.—*b.* Westford, Mass., June 29, 1885; *s.* Joseph H. and Fannie F. (Reade) T.; *m.* Mildred F. Wheeler, Sept. 26, 1914; *c.* 1 son. B.Sc., Mass. Agr. Coll., 1905. Phi Kappa Phi; Kappa Sigma.

Tomson, Walter Edwin, dairy husb., Mont. State Coll. and U. S. Dept. Agr., Bozeman, Mont.

Asst. dairy husb., Kans. State Agr. Coll., 1912-4; instr., 1914-7; present position, 1917–. Sec.-treas. Mont. State Dairymans Assoc.—*b.* Topeka, Kans., Nov. 26, 1887; *s.* Frederick Edwin and Susie (Bay) T.; reared on farm; *m.* Alice Maude Douglas, June 5, 1915; *c.* Mary Alice. B.S., Kans. State Agr. Coll., 1912.

Toole, Eben Henry, asst. prof. plant physiol. and path., Purdue Univ., La-Fayette, Ind.

Chg. plant and seed farm, Baraboo, Wis., 1911-4; asst. bot., Univ. Wis., 1915-6; instr. bot., Kans. State Agr. Coll., 1916-7; present position, 1917–.—*b.* Baraboo, Wis., Jan. 6, 1889; *s.* Wm. and Elizabeth (Marriott) T.; reared on

farm; *m.* Katherine Elizabeth Turvill, June 20, 1912; *c.* Eben Richard, Elizabeth Lane, Wm. Daniel. B.A., Univ. Wis., 1915; M.A., 1916.

Toole, William Sr., farmer and ornamental hort., Baraboo, Wis.

Pres. Sauk Co. Hort. Soc.; vice-pres. and sec. Wis. State Alliance; pres. Wis. State Hort. Soc.; pres. Sauk Co. Country Life Assoc.; vice-pres. Sauk Co. Good Roads Assoc.; pres. Sauk Co. Corn Growers Assoc.; pres. Skillet Creek Farmers Club.—*b.* England, Sept. 21, 1841 (naturalized as minor); *s.* John and Mary (Taylor) T.; reared in city; *m.* Mary Crowley, Jan. 1872; 2d, Elizabeth Marriott Williams, Nov. 3, 1880; *c.* John P., Wm. A., Eben H.

Tormey, John Lawless, fieldman, Amer. Shorthorn Breeders Assoc., Chicago, Ill.

Princ. ward sch., Chippewa Falls, Wis., 1903-4; instr. an. husb., Univ. Wis., 1908-13; asst. prof., 1913-7; assoc. prof., 1917-8; present position, 1918-.—*b.* Fennimore, Wis., June 12, 1881; *s.* Thos. and Margaret (Lawless) T.; reared on farm; *m.* Margaret Lynch, June 19, 1912; *c.* John L. Jr., Margaret, Elizabeth, Mary. B.S.A., Univ. Wis., 1907. Alpha Zeta.

Torrance, Frederick, vet. dir. general, Dept. Agr., Ottawa, Ont.

Distr. vet., Man., 1883-90; formerly prof. vet. sci., Man. Agr. Coll.,; vet. ed. Nor'West Farmer. Ex-pres. Amer. Vet. Med. Assoc., Man. Vet. Med. Assoc.; hon. pres. E. Canada Vet. Assoc. Mem. Intern. Comn. on bovine tuberculosis; del. from Canada to Intern. Vet. Congress, London, 1914.—*b.* Montreal, Que., July 13, 1859; *s.* Jas. and Jane (Fraser) T.; reared in city; *m.* Julia Jarvis, Oct. 22, 1884; *c.* Marion Gertrude (Mrs. E. S. Sherwood), Percival Victor. B.A., McGill Univ., 1878; D.V.Sc., 1882.

Torti, Maurice Leo, teach. voc. agr., high-sch., Mangum, Okla.

Teach. agr., Murray State Sch. Agr., Tishomingo, Okla., 1916-7; teach. voc. agr., high-sch., Stuttgart, Ark., 1917-9; present position, 1919-.—*b.* Bugnano, Italy, Dec. 23, 1894 (naturalized 1916); *s.* Frank and Appollonis (Benvenuti) T.; reared on farm and in city; *m.* Leah Glidewell, Dec. 21, 1917; *c.* Alice Glidewell. B.S.A., Tex. A.&M. Coll., 1916.

Tothill, John Douglas, ent. in chg. of natural control invests., Ent. Lab., Fredericton, N. B.

Farmer, Suffolk Co., England, 1906-7; with U. S. Bur. Ent., 1910-1; with Canadian Branch Ent., 1912-; instr. parasitology, Cornell Univ., 1915; lect. ent., Univ. N. B., 1918-20. Mem. provincial council, Boy Scouts Assoc., 1918-20.—*b.* London, England, Feb. 9, 1888; *s.* Walter and Francois Louisa (Williams) T.; reared in country; *m.* Ruby Beatrice Hughes, 1916; *c.* Jessie Elizabeth. B.S.A., Ont. Agr. Coll., 1910; grad. student, Cornell Univ., 2 yrs.; Harvard Univ., 1 yr. Sigma Xi; Gamma Alpha.

Tottingham, William Edward, assoc. prof. agrl. chem., Univ. Wis., Madison, Wis.

Asst. chem., Mass. Exp. Sta., 1903-4; fellow in chem., Mass. Agr. Coll., 1904-5; asst. chem., N. Y. Agr. Exp. Sta., Geneva, 1905-6; instr. and research asst. chem., Univ. Wis., 1906-10; asst. prof., 1910-7; assoc. prof., 1917-. Fellow A.A.A.S. *Auth.*: (with E. B. Hart) General Agricultural Chemistry, 1910; (with J. W. Ince) Chemistry of the Farm and Home, 1916. (Relations of climatic factors to plant metabolism). —*b.* Templeton, Mass., Nov. 21, 1881; *s.* Edwin H. and Maria (Shearer) T.; reared on farm; *m.* Ethel Regena Lerch, Feb. 2, 1914; *c.* Elaine, Robt. Lerch. B.Sc., Mass. Agr. Coll., 1903; M.Sc., Univ. Wis., 1908; Ph.D., Johns Hopkins Univ., 1917.

Totty, Charles Henry, florist and importer, Madison, N. J.

Pres. Soc. Amer. Florists; past pres. N. Y. Florists Club, Morris Co. Florists Soc., Nat. Chrysanthemum Soc.; corresponding foreign mem. Nat. Chrysanthemum Soc. of England. Del. to Intern. Flower Show, London, 1912; intern. juror, Panama-Pacific Expos., 1915. (Chrysanthemums and roses).—*b.* Shropshire, England, Sept. 8, 1873 (naturalized 1899); *s.* Geo. and Elizabeth (Perks) T.; reared in village; *m.* Margaret Cronin, 1896; *c.* Helen Marie.

Townsend, Theodore Horton, hort., N. Y. State Sch. Agr., Morrisville, N. Y.

b. Elmira, N. Y., Nov. 7, 1893; *s.* Wilbur L. and Mary (Horton) T.; reared in city; *m.* Marjory Gunnison,

Feb. 19, 1917; *c.* Elizabeth, Margery. B.S., Cornell Univ., 1917. Kappa Delta Rho.

Townsley, Thomas Sylvester, ext. asst. prof. poultry husb., Univ. Mo., Columbia, Mo.
Asst. poultry, Kans. State Agr. Coll., 1916-7; ext. instr. poultry, Univ. Mo., 1917-8; asst. prof., 1918-.—*b.* Pleasantville, Ind., July 4, 1889; *s.* Jas. E. and Nancy (Bedwell) T.; reared on farm; *m.* Pauline Anthony, Sept. 5, 1917. B.S.A., Purdue Univ., 1916. Acacia.

Tracy, Samuel Mills, agron., U. S. Dept. Agr., Biloxi, Miss.
Prof. bot. and hort., Univ. Mo., 1877-87; dir. Miss. Exp. Sta., 1887-97; special agt., U. S. Dept. Agr., 1897-1915; present position, 1915-. Served in Civil War. Pres. Mo. State Hort. Soc., 1886; pres. Soc. for Promotion Agrl. Sci., 1910-1. Fellow A. A. A. S. *Auth.*: Flora of Missouri, 1886; Flora of the Southern United States, 1899. (Grasses, forage crops).—*b.* Hartford, Vt., Apr. 30, 1847; *s.* Samuel and Emeline (Newton) T.; *m.* Martha A. Terry, July 23, 1874 (d. 1904). B.S., Mich. Agr. Coll., 1868; M.S., 1871.

Tracy, William W., seed-grower, Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.
Formerly asst. prof. hort., Mich. Agr. Coll.—*b.* Hudson, O., May 21, 1845; *s.* Stephen and Alice (Dana) T.; reared in town; *m.* Mary Woodbridge; 2d, Mattie Flandnau; *c.* Wm. Woodbridge, Harry, Stephen, John, Katherine, Alice. D.Sc., Mich. Agr. Coll.

Tracy, William Woodbridge Jr., tech. sugar beet invest., U. S. Dept. Agr., Fort Collins, Colo.
Seed grower, Ida., 1910-4.—*b.* Lansing, Mich., May 6, 1872; *s.* Wm. Warner and Mary Bartlett (Woodbridge) T.; reared on farm; *m.* Gertrude Hunawill, Dec. 30, 1916. B.S., Mich. Agr. Coll., 1895.

Traxler, John Omar, co. agrl. agt., Starke, Fla.
Agrl. agt., Jackson Co., 1917-8; farm help specialist, U. S. Dept. Agr., for Fla., 1918-9.—*b.* Mt. Pleasant, Ia., Jan. 27, 1875; *s.* John and Rebecca (Yount) T.; reared on farm; *m.* Jessie M. Cantwell, Mar. 11, 1896; *c.* Velda A., John Gale, Robt. Lee.

Treager, William Lytle, co. agrl. agt., Greensburg, Pa.
Superv. agr., W. Sunbury Voc. Sch., Pa., 1914-6; Norwin High-Sch., Irwin, 1916-9; agrl. agt. Westmoreland Co., 1919-. (Agron.).—*b.* Benwood, Ind., Jan. 5, 1889; *s.* Geo. M. and Margaret Elizabeth (Lytle) T.; reared on farm and in town; *m.* Edna Bailey Jeffrey, Aug. 8, 1917; *c.* Bess Jeffrey. B.S., Penn. State Coll., 1914. Pi Kappa Alpha; Phi Kappa Phi.

Treakle, Arthur F., ext. poultry husb., Va. Poly. Inst., Blacksburg, Va.
b. Lacon, Ill., Jan. 4, 1858; *s.* Geo. and Lavinia (Winters) T.; reared in town; *m.* Rachel Fell, Aug. 14, 1884. Student Ill. State Normal Univ., Univ. Mo. Delta Tau Delta.

Trimble, William, prof. Amer. hist., Univ. Ida., Moscow, Ida.
Acting princ., Houston Sch., Spokane, Wash., 1903-4; instr. hist., high-sch., Spokane, 1904-8; prof. hist. and social sci., N. D. Agr. Coll., 1909-19; present position, 1919-. *Auth.*: Mining Advance into the Inland Empire, 1914; Introductory Manual of Agrarian History, 1917. (Agrl. hist.).—*b.* Wooster, O., 1872; *s.* Joseph B. and Mary E. (Deemer) T.; reared in city and country; *m.* May Belle Hale, 1907; *c.* Sterrett Hale, Mary Elizabeth. B.A., Denison Univ., 1900; M. A., Wash. State Coll., 1903; Ph.D., Univ. Wis., 1909. Phi Beta Kappa.

Troop, James, formerly prof. ent. and ent. Exp. Sta., Purdue Univ., LaFayette, Ind.
Prof. hort. and ent. and hort. and ent. Exp Sta., Purdue Univ., 1884-1912; prof. ent. and ent. Exp. Sta., 1912-20. Ind. state ent., 6 yrs.; sec. Ind. Hort. Soc., 6 yrs. *Auth.*: Melon Culture, 1911. —*b.* Bennington, N. Y., Mar. 14, 1853; *s.* Andrew and Orrilla (Wilkins) T.; reared on farm; *m.* Cora L. Chamberlin, Dec. 30, 1884; *c.* Helen L. B.S., Mich. Agr. Coll., 1878; M.S., 1882.

Trowbridge, Edwin Alfonso, prof. an. husb., Univ. Mo., Columbia, Mo.
Asst. an. husb., Univ. Mo., 1906-7; instr., 1908-10; asst. prof., 1910-1; prof. and chm. dept., 1911-. Sec. Mo. Draft Horse Breeders Assoc. Judge at live-

stock shows; supt. Mo. live-stock at Panama-Pacific Expos., 1915.—*b.* Mondovi, Wis., Apr. 27, 1885; *s.* C. L. and Alma Mary (Thames) T.; reared in country town; *m.* Alice Adella Goddard, July 3, 1907; *c.* 2 sons. B.S.A., Univ. Wis., 1906. Alpha Zeta.

Trowbridge, Oliver Bert, instr. voc. agr., Pulaski, N. Y.

b. Andover, N. Y., Aug. 31, 1889; *s.* Lee M. and Myrtie (Davis) T.; reared on farm; *m.* Evelyn Scheutzow, July 31, 1917. Student Alfred Univ.

Trowbridge, Perry Fox, dir. N. D. Exp. Sta., Fargo, N. D.

Instr. chem., Univ. Mich., 1894-1902; instr. and asst. prof. chem., Univ. Ill., 1905-7; asst. prof. and prof. agrl. chem., Univ. Mo., 1907-18; present position, 1918–. Del. to Congress Applied Chem., N. Y., 1912. Pres. Amer. Assoc. Official Agrl. Chem., 1917-8. (Chem. of an. nutr.).—*b.* Three Rivers, Mich., Apr. 25, 1866; *s.* Geo. M. and Leshia E. (Fox) T.; reared in town; *m.* Grace Hall, Sept. 4, 1894; *c.* Hugh M., Eleanor, Vernon H., Neva, Marian. Ph.B., Univ. Mich., 1892; M.A., 1905; Ph.D., Univ. Ill., 1906; B.Pd., Mich. State Normal Coll., 1892; M.Ped., 1912. Sigma Xi; Phi Lambda Upsilon; Alpha Chi Sigma; Gamma Sigma Delta.

Troy, Hugh C., prof. dairying, Cornell Univ., Ithaca, N. Y.

Asst. dairying, Cornell Univ., 1897-1912; chem., N. Y. State Dept. Agr., 1898-1912; prof. dairying, 1912–; consulting chem., Dept. Agr., 1912–; dairy manufacturing specialist, U. S. Dept. Agr., July-Oct. 1917.—*b.* Spencer, N. Y., May 2, 1867; *s.* John and Elizabeth (McAllister) T.; reared on farm; *m.* Mary M. Wall, May 10, 1900; *c.* Mary, Elinor, Hugh, Francis, Edith. B.S.A., Cornell Univ., 1896.

Truax, Hartley Eugene, invest in marketing, Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Asst. plant path., Univ. Ark., 1912-3; asst. hort., 1913-5. 1st. Lieut., Q. M. C., U. S. Army, 1918-9.—*b.* Fennville, Mich., Mar. 23, 1886; *s.* Leonard and Flora Alice (Hendrick) T.; reared on farm; *m.* Lydia Harrison, Oct. 9, 1914. B.S., Mich. Agr. Coll., 1912; Mast. Hort., 1917. Alpha Zeta.

Truax, Thomas Roy, asst. prof. for., Ia. State Coll., Ames, Ia.

b. Guthrie Co., Ia., Dec. 3, 1886; *s.* John Wesley and Clara (Tolbert) T.; reared on farm; *m.* Lena Thompson, June 10, 1914; *c.* Donald Thompson, Thos. LeRoy. B.S., Ia. State Coll., 1912. Delta Upsilon.

True, Alfred Charles, dir. States Relations Serv., U. S. Dept. Agr., Washington, D. C.

Princ. high-sch., Essex, N. Y., 1873-4; instr., State Normal Sch., Westfield, Mass., 1875-82; instr., Wesleyan Univ., 1884-8; ed., Off. Exp. Stas., U. S. Dept. Agr., 1889-90; vice-dir., 1891-2; dir., 1893-1915; dir. States Relations Serv., 1915–. Dean Grad. Sch. Agr., Ohio State Univ., 1902; Univ. Ill., 1906; Cornell Univ., 1908; Ia. State Coll., 1910; Mich. Agr. Coll., 1912; Univ. Mo., 1914; Mass. Agr. Coll., 1916. Pres. Amer. Assoc. Agrl. Colls. and Exp. Stas., 1914; bibliographer, 25 yrs. Del. representing U. S. at General Assembly of Intern. Inst. of Agr., Rome, Italy, 1913. *Ed.*-in-chief, Experiment Station Record; Experiment Station Work.—*b.* Middletown, Conn., June 5, 1853; *s.* Chas. Kittredge and Elizabeth Bassett (Hyde) T.; *m.* Emma Fortune, Nov. 23, 1875; *c.* Elizabeth Fortune, Henry Hyde. A.B., Wesleyan Univ., Conn., 1873; A.M., 1876; Ph.D., Erskine Coll., S. C., 1886; Sc.D., Wesleyan Univ., 1906.

True, Gordon Haines, prof. an. husb., Univ. Calif., Berkeley, Calif.

Instr. dairying, Mich. Agr. Coll., 1894-9; prof. an. husb., Univ. Ariz., 1899-1903; prof. agr. and an. husb., Univ. Nev., 1903-13; dir. Nev. Exp. Sta., 1912-3; present position, 1913–. Fellow A.A.A.S. Mem. Nev. State Bd. Agr., 1911-3; state quarantine officer for Nev., 1913; sec. and manag. Calif. Intern. Live-Stock Show; chm. Live-Stock Comn., Fed. Food Adminis. for Calif.; pres. Yolo Co. Cattlemens Assoc. —*b.* Baraboo, Wis., Dec. 14, 1868; *s.* John M. and Mary Annie (Beede) T.; reared on farm; *m.* Elizabeth Spayd Stubbs, Oct. 3, 1904; *c.* Elizabeth, Gordon H. Jr., Eunice Miriam. B.S., Univ. Wis., 1894. Delta Upsilon.

Trueman, John Main, prof. agr. and farm supt., N. S. Agr. Coll., Truro, N. S.

Instr. dairying, S. D. State Coll., 1895-7; farm manag., Thorndale, Pa., 1897-1900; Waverly, 1900-3; asst. an. husb. and dairying, Cornell Univ., 1903-5; asst. dairying, Univ. Ill., 1905-7; prof. dairying ind., Conn. Agr. Coll., 1907-13; present position, 1913–. (An. husb.).—*b.* Point de Bute, N. B.; *s.* Howard and Jean (Main) T.; reared on farm; *m.* Clara Louise Huff, Apr. 26, 1896; *c.* Howard L., Thompson, Albert W., Louise V. D.

Truesdell, Leon Edgar, expert special agt., Div. of Agr., Bur. of Census, Washington, D. C.

Formerly field asst. in rural organization, Bur. Markets, U. S. Dept. Agr. (Agrl. statistics).—*b.* Rowe, Mass., Mar. 15, 1880; *s.* Clarence and Linna Viola (Streeter) T.; reared in village; *m.* Constance Ethel Cole, June 19, 1916; *c.* Constance Emma. A.B., Brown Univ., 1907; A. M., 1907. Phi Beta Kappa.

Trumbull, Robert Samuel, agrl. agt., El Paso and Southwestern Railroad system, El Paso, Tex.

Instr. agrl. chem., Univ. Neb., 1908-9; adj. prof. agrl. chem., 1909-13; asst. agrl. chem., Neb. Exp. Sta., 1908-13; present position, 1913–. (Soil chem. and agron.).—*b.* Lakeport, N. Y., Jan. 18, 1881; *s.* L. M. and Emma L. (McCleary) T.; reared on farm; *m.* Mattie Grace Piggott, Sept. 24, 1908; *c.* Wendell P., Roberta, Merlin L., Mattie Grace. A.B., Sc.B., Neb. Wesleyan Univ., 1907; A.M., Univ. Neb., 1908. Sigma Xi.

Truog, Emil, assoc. prof. soils, Univ. Wis., Madison, Wis.

Asst. soils, Univ. Wis., 1909-12; instr., 1912-6; asst. prof., 1916-7; assoc. prof., 1917–.—*b.* Independence, Wis., Mar. 6, 1884; *s.* Thos. and Magdalena (Keller) T.; reared on farm. B.S.A., Univ. Wis., 1909; M.S., 1912. Sigma Xi; Alpha Zeta; Phi Lambda Upsilon; Gamma Alpha.

Tuck, Charles Henry, agrl. expert, Ithaca, N. Y.

Chg. reading courses, Cornell Univ., 1906-7; asst. prof. ext. teaching, 1907-10; prof., 1910-6; head dept., 1909-16; ranchman with Manchurian Development Co., Manchuria, China, 1916-9, staff manag., 1918; in chg. Comn. on Agr. to Russia, 1919-20.—*b.* Lisbon, N. Y., Apr. 21, 1881; *s.* Andrew and Marie (Lynch) T.; reared on farm. A.B., Cornell Univ., 1906. Delta Upsilon; Alpha Zeta.

Tucker, Ernest Eugene, co. agrl. agt., Rockville, Conn.

Farmer, Peterboro, N. H., 3 yrs.; gard. and florist, N. H., 2 yrs.; farmer and fruit-grower, Mass., 6 yrs.; landscape work, New England, 2 yrs.; war-garden superv., Springfield, Mass., 1 yr.; present position, 1919–.—*b.* Hyde Park, Mass., Apr. 2, 1882; *s.* Samuel S. and Ella A. (Dommet) T.; reared on farm and in town; *m.* Bessie C. Willard, 1910. Grad. N. H. Coll., 1907. Alpha Tau Alpha.

Tucker, Gilbert Milligan, ed. and auth., 304 State St., Albany, N. Y.

Mem. N. Y. State Food Invest. Comn., 1911; pres. N.Y. State Agrl. Soc., 1905-6. Traveled in Europe, N. Africa, W. Indies. *Auth.*: Our Common Speech, 1895; American Agricultural Periodicals, 1909; A Layman's Apology, 1913. *Asst. ed.*, Country Gentleman, 1877-84; manag. ed., 1884-97; ed.-in-chief, 1897-1911.—*b.* Albany, N. Y., Aug. 26, 1847; *s.* Luther and Margaret Lucinda (Smith) T.; reared in city; *m.* Sara Edwards Miller, June 7, 1877; *c.* Margaret Cleveland, Gilbert M. Jr. A.B., Williams Coll., 1867; A.M., 1870. Phi Beta Kappa.

Tucker, Gilbert Milligan Jr., superv. exhibits, N. Y. State Dept. Health. Albany, N. Y.

On staff Country Gentleman, 1901-11. Farmer. Vice-pres. N. Y. State Agrl. Soc.—*b.* Albany, N. Y., Nov. 3, 1880; *s.* Gilbert Milligan and Sara Edwards (Miller) T.; reared in city. B.S.A., Cornell Univ., 1901. Alpha Zeta.

Tucker, William Benjamin, co. agrl. agt., Boise, Ida.

Farmer, 1911-3; fruit-grower, Boise Valley, 1913-4; princ. Franklin Rural High-Sch., 1915-8; present position, 1919–.—*b.* Chandeler, Kans., July 10, 1888; *s.* Wm. Henry and T. Ernestine

(Moore) T.; reared on farm; *m.* Nellie Turner, 1911; *c.* Ethel Margie. Grad. Univ. Ill., 1911.

Tufts, James Arthur Jr., nurseryman, Exeter, N. H.
Sec. N. H. Hort. Soc.; sec. Rockingham Co. Farm Bur.; dir. Rockingham Co. Farmers Exchange.—*b.* Exeter, N. H., Oct. 8, 1891; *s.* Jas. Arthur and Effie (Locke) T.; reared in town; *m.* Hazel Weinbeck, June 28, 1919. B.S., N. H. Coll., 1914. Kappa Sigma.

Tufts, Warren Porter, asst. prof. pom., Univ. Calif., Davis, Calif.
Instr. hort., Ore. Agr. Coll., 1914-5; instr. pom., Univ. Calif., 1915-7; asst. prof., 1917–. (Pruning, pollination).—*b.* Cedarville, O., Jan. 8, 1890; *s.* Geo. L. and Mary Belle (Porter) T.; reared on farm and in city; *m.* Matilda Francis Humason, June 8, 1915; *c.* Warren Geo. B.S., Univ. Calif., 1912; M.S., Ore. Agr. Coll., 1914.

Tuggle, Floyd S., farmer, Gallatin, Mo.
Mem. Mo. Legislature; chm. State Council Defense; co. food adminis.—*b.* Caldwell, Mo., Feb. 17, 1885; *s.* Jas. and Victoria (Smith) T.; reared on farm; *m.* Grace Anderson, Mar. 4, 1911; 2d, Helen Weiser, July 30, 1916; *c.* Jas. A. A.B., Univ. Mo., 1906.

Tull, John Hollister, field agt. in marketing, Bur. Markets, U. S. Dept. Agr., Little Rock, Ark.
Florist, Amer. Rose Co., Washington, D. C., 1898; Dreer Co., Philadelphia, 1899; explorer, U. S. Bur. Plant Ind., in Japan, 1905-6; florist, Chambersburg, Pa., 1907; exp. sta. work, U. S. Dept. Agr., 1908-9; agrl. development agt., Kansas City Southern Ry., Mena, Ark., 1910-8; present position, 1918–.—*b.* Morgantown, N. C., May 29, 1882; *s.* John and Lizzie (McKeehan) T.; reared in town; *m.* Grace Cavanaugh, June 2, 1908; *c.* Grace Antoinette. Grad. Mo. Bot. Gard., St. Louis, 1904.

Tunison, Lula, state agt. in chg. girls' clubs, Miss. A.&M. Coll., Agricultural College, Miss.
Teach. English, high-sch., Lumberton, Miss., 5 yrs.; Mt. Olive, 1 yr.; Courtland, 2 yrs.; co. dem. work, 6 yrs. Pres. Miss. Home Econ. Assoc., 1919-20.—*b.* Athens, Ga., May 31, 1885; *d.* Geo. H. and Zipporah (Patrick) T.; reared in city and on farm. A.B., Ind. Inst. and Coll., Columbus, Miss., 1906.

Turlington, John Edwin, prof. agron., Univ. Fla., Gainesville, Fla.
Adj. prof. agron., Univ. Ga., 1912; supt. Craven Co. Farm Life Sch., 1913-6; present position, 1916–.—*b.* Clinton, N. C., June 1, 1884; *s.* Edwin Timothy and J. Frances (Howard) T.; reared on farm; *m.* May Baldwin, Sept. 6, 1910; *c.* Francis Wm., Lillian May, Edwin Baldwin, Henry Eugene. B.S.A., N. C. State Coll., 1907; M.S., Cornell Univ., 1911; Ph.D., 1912.

Turnbow, Grover Dean, asst. prof. dairying, Univ. Calif., Berkeley, Calif.
Instr. dairying, Wash. State Coll., 1917-8; asst. prof., 1918-9; ext. dairy specialist, Univ. Wyo., 1919-20; present position, 1920–.—*b.* Palouse, Wash., Oct. 10, 1892; *s.* O. A. and Namiao (Couchman) T.; reared on farm; *m.* Jessie Ruth Hill, Aug. 1916. B.S.A., Univ. Ida., 1916; M.S.A., Ia. State Coll., 1917. Phi Delta Theta; Alpha Zeta; Gamma Sigma Delta.

Turner, Arthur William, ext. asst. prof. agrl. engin., Ia. State Coll., Ames, Ia.
Sales engin., Smith Form-A-Tractor Co., 1917; judicial drainage engin., Nobles Co., Minn., 1917-8; present position, 1919–. Educ. sec., Army Y. M. C. A., 1918-9.—*b.* Worthington, Minn., Mar. 11, 1894; *s.* Frank C. and Emma (Seydel) T.; reared in town; *m.* Elizabeth Parry, Nov. 12, 1919. B.S., Ia. State Coll., 1917. Lambda Sigma Phi.

Turner, Chester Francis, sci. asst., Bur. Ent., U. S. Dept. Agr., Box 903, Schenectady, N. Y.
b. Rock Creek, Kans., May 12, 1890; *s.* Thos. A. and Helen (Castle) T.; reared on farm; *m.* Augusta W. Schroll, July 14, 1917; *c.* Ann Elizabeth. B.S., Kans. State Agr. Coll., 1912.

Turner, Ernest DeWitt, co. agrl. agt., Glenville, W. Va.
Teach. agr., Union High-Sch., Phoenix, Ariz., 1913-4; farmer, Ind., 1914-6. Organized Gilmer Co., W. Va., Sheep Breeders and Wool Growers Assoc. Capt. Infantry, Mex. Border Serv.,

1916-7; Lieut. Air Serv., U. S. Army, 1917-8. (Live-stock).—*b.* Wenona, Ill., Apr. 11, 1889; *s.* Chas. M. and Louise A. (Carrithers) T.; reared on farm. B.S., Univ. Ill., 1912.

Turner, Louise Gifford, asst. prof. home econ. and state superv. home econ. educ., Univ. Tenn., Knoxville, Tenn.
Head dom. sci. dept., high-sch., Knoxville, Tenn., 1910-1; instr. home econ., Univ. Tenn., 1911-4; asst. prof., 1914–. —*b.* Binghamton, N. Y., Dec. 29, 1886; *d.* Henry Fearn and Mary E. (Steere) T.; reared in city. B.A., Univ. Tenn., 1908; M.A., 1910.

Turner, Ray A., state club leader, Mich. Agr. Coll., E. Lansing, Mich.
Asst. instr. dairy lab., Mich. Agr. Coll., 1909-10; instr. agr., high-sch., Hillsdale, 1910-8; instr. agr., summer sch., Mich. State Normal Sch., 1914; asst. state club leader, Mich., 1918; state club leader, 1918–. Pres. Mich. Assoc. for Adv. Agrl. Teaching.—*b.* Chase, Mich., Oct. 5, 1884; *s.* Frank E. and Elizabeth (Arndt) T.; reared in rural community; *m.* Irene A. Rorison, Aug. 21, 1912; *c.* Phillip Rorison. B.S., Mich. Agr. Coll., 1909.

Turner, Russell Miller, co. agrl. agt., Coupeville, Wash.
b. Elmvale, Ont., Apr. 1, 1892; *s.* Gavin A. and Amanda (Maneer) T.; reared on farm. B.S., Wash. State Coll., 1916. Sigma Phi Epsilon; Alpha Zeta.

Turney, Arthur Gordon, provincial hort., Dept. Agr., Fredericton, N. B.
With Ont. Dept. Agr., fruit div., 1908-10; present position, 1910–. Sec.-treas. N. B. Fruit Growers Assoc., 1910–. (Pom.).—*b.* Nottingham, England, Sept. 4, 1885; *s.* F. N. and Elizabeth (Jardine) T.; reared in city. B.S.A., Toronto Univ. and Ont. Agr. Coll., 1909.

Tuttle, Edward Mowbray, farmer, ed., educator, Resinwood Farm, E. Moriches, L. I., N. Y.
Asst. rural educ., Cornell Univ., 1911-2; instr., 1912-4; asst. prof., 1914-8. Private, U. S. Army, 1918. *Ed.*, Cornell Rural School Leaflet, 1915-8; ed., page for boys and girls, Rural New Yorker, 1919–. (Rural educ., nature-study).—*b.* New York City, Mar. 23, 1889; *s.* Ezra Armstrong and Anna Eudora (Mowbray) T.; *m.* Viola Amorita Culver, Oct. 2, 1919; *c.* Margaret. B.S.A., Cornell Univ., 1911; A.B., 1913.

Tweed, Henry Elgin, co. agrl. agt., Baker, Ore.
Supt. orchard, Okanogan, Wash.—*b.* Genesee, Ida., July 12, 1889; *s.* Harry and Sarah T.; reared on farm; *m.* Helen Keith, Nov. 18, 1916; *c.* Marcia. B.S., Wash. State Coll., 1916. Alpha Tau Omega; Alpha Zeta.

Twitchell, George M., farmer, Auburn, Me.
Inst. lect., 1883–. Lect. and overseer Me. State Grange. *Assoc. ed.*, Maine Farmer, 1873-97; ed. and manag., 1897-1904. (Farm and fruit crops).—*b.* Bethel, Me., Sept. 17, 1847; *s.* Almon and Phebe M. (Buxton) T.; reared in country; *m.* Florence Allen, Jan. 26, 1870.

Tyler, Arthur G., asst. prof. farm engin., Univ. Minn., University Farm, St. Paul, Minn.
Draftsman, machine designer, 3 yrs.; railroad engin., 4 yrs.; present position, 1918–. (Farm heating, lighting, plumbing, water supply, sanitation).—*b.* Reed City, Mich., Feb. 14, 1882; *s.* Alexander G. and Bertha (West) T.; reared in town; *m.* Pearl I. Peck, Sept. 20, 1911; *c.* Marjorie B. M.E., Mich. Agr. Coll., 1910.

Tyler, Comfort A., vice-pres. Commonwealth-Fed. Savings Bank, 36 Woodland Ave., Detroit, Mich.
Sec. Mich. State Livestock Sanitary Com., 12 yrs.; field agt., Mich. Agr. Coll., 3 yrs.; sec. Amer. Hampshire Sheep Assoc., 1900–; mem. exec. com., Mich. State Fair, 20 yrs.; sec. Nat. Fleece Wool Growers Assoc.; mem. exec. com., Mich. Wool Growers Assoc. (Mutton sheep).—*b.* St. Joseph Co., Mich., Feb. 24, 1865; *s.* Samuel and Sarah (Foote) T.; reared on farm; *m.* Eva E. Watson, 1885; *c.* Flora Helen, Pearl.

U

Ullsperger, Herman Wenzl, asst. prof. soils, Univ. Wis., Sturgeon Bay, Wis.
Pres. Wis. Soil Improvement Assoc. (Soils, hort.).—*b.* Wis., Jan. 4, 1886; reared on farm; *m.* E. A. Hatch, 1912. B.S., Univ. Wis., 1911. Alpha Zeta.

Umberger, Harry John Charles, dir. ext., Kans. State Agr. Coll., Manhattan, Kans.

With U. S. Dept. Agr., 1906-11; dept. agron., Kans. State Agr. Coll., 1911-2; farmer, 1912-4; dem. superv. and asst. co. agt. leader, Kans. State Agr. Coll., 1915-7; co. agt. leader, 1917-9; acting dir. ext., 1919-20; dir., 1920-.—*b.* Hymer, Kans., Sept. 27, 1881; *s.* M. D. and Sarah E. (Hartert) U.; reared on farm; *m.* R. M. Kolck, June 12, 1909; *c.* Grace K., David J., Pauline E. B.S., Kans. State Agr. Coll., 1905.

Underwood, Russell Ellis, farmer, Whitney, Pa.

Manag. Fairview Stock Farm, Dawson, Pa., 1918-9; manag. Coke Co. farms, 1919-.—*b.* Grampian, Pa., Apr. 9, 1896; *s.* Geo. F. and Ida M. U.; reared on farm; *m.* Leah L. Bloom, Apr. 10, 1919; *c.* Raymond Preston. B.S., Penn. State Coll., 1918. Alpha Gamma Rho.

Upson, Fred Wilbert, prof. and head dept. chem., Univ. Neb., and chem. Exp. Sta., Lincoln, Neb.

Instr. chem., Univ. Cincinnati, 1910-2; Univ. Chicago, 1912-3; present position, 1913-. (Chem. of sugars).—*b.* Byron, Ill., Feb. 2, 1883; *s.* Richard E. and Mary W. (Johnston) U.; reared on farm and in city. B.Sc., Univ. Neb., 1907; M.A., 1908; Ph.D., Univ. Chicago, 1910. Sigma Xi; Gamma Alpha.

Urbahns, Theodore Dieterich, ent. asst. in chg. U. S. Dept. Agr. Ent. Lab., Berkeley, Calif.

With U. S. Bur. Ent., invest., Kans., Okla., Tex., 1908-9; chg. insectary and field work ent., Univ. Minn., 1909-11; Bur. Ent., 1911-. Fellow A. A. A. S.—*b.* Minden, Ia., Aug. 1, 1880; *s.* Behrent Henry and Kathrine (Ivers) U.; reared in small town; *m.* Marie Estelle Daft, Jan. 2, 1913; *c.* Mary Barbara. B.S., Colo. Agr. Coll., 1908.

V

Vail, Walter Cheney, co. agrl. agt., Mobile, Ala.

Dairy farmer, 1899; teach., manual training sch., Dayton, O., 1900; high-sch., Indianapolis, 1901; LaSalle-Peru, 1902-3; superv. manual training, Nashville, Tenn., 1904; cotton farmer, 1905-9; truck farmer, 1911-2; prof. mech. engin., Coll. Agr., Mayaguez, Porto Rico, 1912-6.—*b.* Kewanee, Ill., Sept. 17, 1871; *s.* Edward M. and Emma (Cheney) V.; reared on farm; *m.* Jessica Marshall, Aug. 12, 1903; *c.* Edith Marshall, Viola Carmen. B.S., Univ. Ill., 1897.

Vaile, Roland Snow, asst. prof. orchard manag., Univ. Calif., Riverside, Calif.

Agrst., Persian Relief Exped., Teheran, Persia, 1918-9. (Citrus, agrl. econ.).—*b.* Nordhoff, Calif., Nov. 23, 1889; *s.* Chas. Selden and Octavia (Barrows) V.; reared in town; *m.* Marjorie Maynard, Mar. 1912; *c.* David Selden. B.A., Pomona Coll., 1910. Phi Beta Kappa.

Valgren, Victor Nelson, invest. in agrl. insurance, Off. Farm Manag., U. S. Dept. Agr., Washington, D. C.

Supt. city schs., Groton, S. D., 1905-8; instr. econ., Univ. Neb., 1910-1; instr. econ., Univ. Minn., 1912-3; asst. prof. econ., Univ. Kans., 1913-5; present position, 1915-.—*b* Sweden, June 30, 1876 (naturalized as minor); *s.* H. P. and Johanna (Swenson) V.; reared on farm; *m.* Margaret M. St. Clair, 1908. B.A., Gustavus Adolphus Coll., 1905; M.A., Univ. Minn., 1909.

Van Aken, Kathryn Grace, home dem. agt., 58 Market Arcade, Buffalo, N. Y.

Teach. high-sch., 1912-4; dietitian, Univ. Hospital, Ann Arbor, Mich., 1914-6; Homeopathic Hospital, 1916-8; present position, 1919-.—*b.* Hillsdale, Mich., July 12, 1891; *d.* Chas. T. and Frances (Cook) V.; reared on farm and in town. B.A., Hillsdale Coll., Mich., 1913; grad. student Columbia Univ., 1918-9.

Van Buren, Barent Dorr, asst. chief Bur. Plant Ind., Dept. Farms and Markets, Niverville, N. Y.

Nursery insp., N. Y. State Dept. Agr., 1901-9; present position, 1909-. Vice-pres. W. N. Y. Hort. Soc.; treas. Hudson Valley Fruit Growers Assoc. (Hort., control insects and fungous diseases).—*b.* Stockport, N. Y., Dec. 3, 1874; *s.* John P. and Ruth Ann (Lay) V.; reared on farm; *m.* Charlotte Louise Van Buren, May 22, 1901; *c.* Barent Lay. Student Cornell Univ., 2 yrs.

Vandervort, H. S., asst. dir. agrl. ext. div., W. Va. Univ., Morgantown, W. Va.

Agt. Wood Co., W. Va., 1912-5.—*b* Morgantown, W. Va., July 23, 1886; *s.*

Virgil and Belle (Swisher) V.; reared on farm; *m.* Lucille Moore, Nov. 26, 1912. B.S. Agr., W. Va. Univ., 1911. Kappa Alpha.

Van Dine, Delos Lewis, ent. insects affecting health of man, U. S. Bur. Ent., Mound, La.
Teach. nature-study, Normal Sch., Hawaii, 1901-2; sec. farmers inst., Hawaii, 1902-4. Fellow A.A.A.S. Capt. Sanitary Corps, U. S. Army, 1918-9. (Med. ent., malaria control in lower Miss. Valley).—*b.* Tompkins Co., N. Y., Feb. 2, 1878; *s.* Chas. and Mary (Wilcox) V.; reared on farm; *m.* Carolyn B. Gaylord, July 23, 1903; *c.* Chas. G., Delos L. Jr., Carolyn L. B.S.A., Cornell Univ., 1901. Alpha Zeta.

Van Dyke, Edwin Cooper, prof. ent., Univ. Calif., Berkeley, Calif.
b. Oakland, Calif., Apr. 7, 1869; *s.* Walter and Rowena (Cooper) V.; reared in city; *m.* Mary Annie Ames, June 7, 1915. B.S., Univ. Calif., 1893; M. D., Cooper Med. Coll., San Francisco, 1895. Sigma Xi; Beta Theta Pi; Phi Rho Sigma; Beta Kappa Alpha.

Van Es, Leunis, head dept. an. path. and hygiene, Univ. Neb., Lincoln, Neb.
Dem. normal histology and bact., Univ. Ala., 1898-1902; prof. vet. sci. and vet. Exp. Sta. and dir. State Serum Inst., N. D. Agr. Coll., 1902-18; present position, 1918–. Consulting vet., N. D. Live-Stock Sanitary Bd. Del. from U.S. to Intern. Vet. Congress, The Hague, 1909. *Ed.*, dept. vet. and rural hygiene, Dakota Farmer.—*b.* Melissant, Netherlands, Oct. 3, 1868 (naturalized 1899); *s.* Jacob and Maatje (Zaayer) V.; reared on farm; *m.* A. E. Wilson, July 11, 1894; *c.* Jacob, Maatje, Marie. V.S., Ont. Vet. Coll., 1893; M.D., Univ. Ala., 1898. Sigma Xi.

Van Fleet, Walter, hort. and physiologist, U. S. Dept. Agr., Washington, D. C.
Assoc. ed., Rural New-Yorker, 1899-1909; present position, 1910–. Awarded Geo. Robt. White Medal of Honor for eminent services in hort. by Mass. Hort. Soc., 1918. Traveled in S. America and W. Indies. *Auth.*: Bird Portraits, 1888. (Plant-breeding).—*b.* Piermont, N. Y., June 18, 1857; *s.* Solomon and Elvira (DuBois) V.; reared on farm; *m.* Sarah C. Heilman, Aug. 7, 1883. M.D., Hahnemann Med. Coll., Philadelphia, 1880.

Van Hoesen, Fred James, co. agrl. agt., Rockville, Md.
Minister rural churches, N. Y. and Ill., 1892-1906; ed. Sheffield Times, Ill., 1904-6; commercial salesman, 1906-11; dairy farmer, N. Y., 1910-4; truck farmer, Md., 1914-5; agrl. agt. Montgomery Co., 1916–.—*b.* Lyndon, N. Y., Aug. 11, 1870; *s.* L. Wilbur and Carrie E. (McIntyre) V.; reared on farm; *m.* Ethel Grove, Nov. 19, 1891; *c.* J. Bradley.

Van Kirk, Lloyd Howard, asst. in market business practice, Bur. Markets, U. S. Dept. Agr., Washington, D. C.
Traveled in Europe, 1912, 1914.—*b.* Forksville, Pa., May 9, 1886; *s.* Jas. L. and Susie A. (Miller) V.; reared in town. A.B., Geo. Washington Univ., 1916.

Vann, David C., co. agrl. agt., 258 Albemarle St., Rochester, N. Y.
Farm manag., Letchworth Village, N. Y., 2 yrs.; Bridgeport, Pa., 5 yrs.—*b.* Willow Creek, N. Y., July 19, 1886; *s.* Geo. H. and Mary E. (Ward) V.; reared on farm; *m.* Blodwen Jones, June 2, 1913; *c.* Eleanor Elizabeth. B.S., Cornell Univ., 1911.

Vann, Theodore W., co. agrl. agt., Elmira, N. Y.
Farm supt., Amsterdam, N. Y., 1915-6.—*b.* Willow Creek, N. Y., Feb. 22, 1890; *s.* Geo. Howe and Mary Elizabeth (Ward) V.; reared on farm. B.S., Cornell Univ., 1915.

Van Norman, Hubert Everett, prof. dairy manag., vice-dir. Exp. Sta., dean Univ. Farm Sch., Univ. Calif., Davis, Calif.
Asst. in butter-making, Mich. Agr. Coll., 1894-5; farm supt. and instr. dairying, Purdue Univ., 1898-1902; chief dairy dept., 1902-5; prof. dairy husb., Penn. State Coll., 1905-13; present position, 1913–. Sec. Ind. Dairy Assoc., 1898-1905; pres. Penn. Dairy Union, 1906, sec., 1907-13; sec. Agrl. Fed. of Pa., 1912-3; vice-pres. Nat. Dairy Show, 1907-8, sec. and manag., 1909-10, pres. and dir., 1911–; dir. Nat. Dairy Council, 1919–; dir. Calif. Dairy Council, 1919–; exec. sec. Fed. Milk

Comn., 1918. *Auth.*: First Lessons in Dairying, 1908.—*b.* Tilsonburg, Ont., Jan. 30, 1872 (naturalized 1905); *s.* Geo. T. and Julia Bright (Everett) V.; reared on farm; *m.* Maud R. Carrigan, Aug. 28, 1915. B.S., Mich. Agr. Coll., 1897. Alpha Zeta.

Van Pelt, Hugh G., manag. ed., The Dairy Farmer, Waterloo, Ia.

Prof. dairy husb., Ia. State Coll., 1906-9; Ia. state dairy expert, 1909-12; pres. and manag. Waterloo Jersey Farm, 1912–. Pres. Ia. Jersey Cattle Club; mem. bd., Amer. Jersey Cattle Club; exec. com., Nat. Dairy Show and Nat. Dairy Council. *Auth.*: Van Pelt's Cow Demonstration, 1912; How to Feed the Dairy Cow, 1915.—*b.* Audubon, Ia., Nov. 19, 1880; *s.* Frank M. and Mary Jane (Shephard) V.; reared in city and on farm; *m.* Estelle Calhoun, Nov. 22, 1905. B.S., Ia. State Coll., 1903.

Van Rensselaer, Martha, prof. home econ., Cornell Univ., Ithaca, N. Y.

Teach. public schs., 1884-94; sch. comnr., Cattaraugus Co., N. Y., 1894-1900; instr. teach. insts., 1896-1904; sec. state summer sch., 1896-1900; ext. worker, Cornell Univ., 1900–; prof. home econ. and head of dept., 1912–. Mem. staff U. S. Food Adminis., Mar. 1918–Jan. 1919. Pres. Amer. Home Econ. Assoc., 1914-6. *Auth.*: (with Rose and Canon) Manual of Home-Making, 1918. *Ed.*, Reading Course for the Farm Home.—*b.* Randolph, N. Y.; *d.* Henry Killian and Arvilla A. (Owen) V.; reared in village. Grad. Chamberlain Inst., Randolph, N. Y., 1883; A.B., Cornell Univ., 1909.

Van Scoik, Roy Harrison, co. agrl. agt., Cooperstown, N. Y.

Princ. and instr. agr. and biol., Sch. Agr. and Home-Making, Kings Ferry, N. Y., 1915-7; instr. agr., high-sch., Sleepy Eye, Minn., 1917-8; agt. Polk Co., Minn., 1918-9; Otsego Co., N. Y., 1919–.—*b* Aulne, Kans., July 28, 1888; *s.* Aaron and Aurelia (Gard) V.; reared on farm; *m.* Belle Armida Seymour, July 26, 1916. B.S.A., Kans. State Agr. Coll.. 1914; grad. work, Cornell Univ., 1914-5. Theta Alpha.

Van Slyke, Lucius Lincoln, chem., N. Y. Agr. Exp. Sta., Geneva, N. Y.

Instr. chem., Univ. Mich., 1882-5; prof. chem., Oahu Coll., Honolulu, and govt. chem., 1885-8; lect. chem., Univ. Mich., 1888-9; present position, 1890–. Fellow A. A. A. S. Pres. N. Y. State Dairymens Assoc., 1897; pres. Assoc. Official Agrl. Chem., 1900. *Auth.*: Modern Methods of Testing Milk Products, 1906; (with Publow) The Science and Practice of Cheese-Making, 1900; Fertilizers and Crops, 1912. (Chem. of milk and milk products).—*b.* Centerville, N. Y., Jan. 6, 1859; *s.* Wm. J. and Catherine (Keller) V.; reared in village; *m.* Lucy M. Dexter, June 15, 1882; 2d, Julia Upson Hanford, Apr. 5, 1888; *c.* Donald Dexter, Lawrence Prescott. A.B., Univ. Mich., 1879; A.M., 1881; Ph.D., 1882. Phi Beta Kappa; Beta Theta Pi.

Van Wagenen, Jared Jr., farmer, Lawyersville, N. Y.

Lect. on agr. and country life. Mem. State Assembly, 1919-20.—*b.* Lawyersville, N. Y., May 14, 1871; *s.* Jared and Loraine (McNeill) V.; reared on farm; *m.* Magdalena Eliza Lamont, Dec. 31, 1896; *c.* Sarah Lamont, Loraine McNeill, Jared III, Margaret Augusta. B.S.A., Cornell Univ., 1891; M.S.A., 1897.

Vaughan, Henry William, prof. an. husb., Univ. Minn., University Farm, St. Paul, Minn.

Instr. an. husb., Ohio State Univ., 1909-10; asst. prof., 1910-2; asst. prof. an. husb., Ia. State Coll., 1913-4; assoc. prof., 1914-8; prof., 1918-9; present position, 1919–. Sec. Minn. Swine Breeders Assoc. *Auth.*: Types and Market Classes of Live Stock, 1915, rev., 1919. (Horse and swine husb.).—*b.* Cardington, O., Feb. 8, 1887; *s.* Edgar J. and Mary L. (Mooney) V.; reared in town; *m.* Nelle Page, Sept. 8, 1915; *c.* David Page. B.S., Ohio State Univ., 1908; M.S., 1909. Sigma Chi; Alpha Zeta.

Vaughan, Richard E., assoc. prof. plant path., Univ. Wis., Madison, Wis.

Asst. hort., Univ. Vt., 1907-8; instr. hort. and agron., Mt. Hermon Sch., Mass., 1909-10; dir. dept. agr., 1910-1; asst. plant path., Univ. Wis., 1911-4; instr., 1915; asst. prof., 1916-8; assoc. prof., 1918–. (Diseases of peas, potatoes, cabbage).—*b.* Woodstock, Vt., Mar. 27, 1884; *s.* Geo. H. and Frances C. (Monta-

gue) V.; reared on farm; *m.* Eloise A. Samson, Sept. 15, 1914; *c.* Jas. Samson. B.S.A., Univ. Vt., 1907; M.S., Univ. Wis., 1912.

Vaughn, Erle Cleveland, assoc. prof. ent. and bot., Univ. Ky., Lexington, Ky.

b. Shelby Co., Ky., Dec. 6, 1882; *s.* Darnell D. and Ambie (Gray) V.; reared on farm; *m.* Mary W. Hays, June 20, 1907. A.B., Univ. Ky., 1904.

Vaughn, John Early, co. agrl. agt., Tylertown, Miss.

Teach. rural schs., 1911-3.—*b.* Scooba, Miss., May 18, 1889; *s.* Joseph Warren and Luvenia Jane (Taylor) V.; reared on farm; *m.* Minnie Parnell, Dec. 26, 1917. B.S., Miss. A.&M. Coll., 1917.

Vaughn, Molloy Clark, co. agrl. agt., Georgetown, Del.

Instr. hist. and civics, Miss. A.&M. Coll., 1915; princ. agrl. high-sch., Steens, Miss., 1916; present position, 1917–.—*b.* Caledonia, Miss., June 21, 1892; *s.* Wm. B. and Lucy (Brown) V.; reared on farm; *m.* Sarah Estelle Rogers, Apr. 9, 1919. B.S., Miss. A.&M. Coll., 1914.

Veihmeyer, Frank, asst. prof. irrig. invests., Univ. Calif., Berkeley, Calif.

Sci. asst., Bur. Plant Ind., 1910-3; asst. irrig. engin., U. S. Dept. Agr., 1913-7; irrig. engin., 1917-8; present position, 1918–.—*b.* Washington, D. C., Dec. 25, 1886; *s.* J. Oliver and Nellie C. (Leavy) V.; reared in city; *m.* Frances L. Kelly, Nov. 20, 1913; *c.* Kathryn. B.S., Geo. Washington Univ., 1912; C.E., 1913. Sigma Phi Epsilon.

Vequist, David G., garden superv., public schs., St. Joseph, Mo.

Instr. high-sch., Glenwood, Ia., 1915-6; Fairfield, Neb., 1916-7; Mondamin, Ia., 1917-8; distr. agrl. agt., St. Paul, Neb.—*b.* Turner, Neb., June 30, 1889; *s.* Carl John and Betty (Johnson) V.; reared on farm; *m.* Augusta Papenhagen, Feb. 14, 1914; *c.* Woodrow W. B.Sc., Univ. Neb., 1915.

Vercler, Harold Roland, co. agrl. agt., Ephrata, Wash.

Research fellow, Ia. State Coll., 1917-8; present position, 1918–.—*b.* Ore., Dec. 11, 1889; *s.* Jacob and Moura (Hobart) V.; *m.* Flossie Olive McCulloch, May 5, 1917; *c.* Vivienne Evelyn. Grad. Wash. State Coll.

Vergeront, Glen Wallace, teach. an. husb., La Crosse Co. Sch. Agr. and Dom. Econ., Onalaska, Wis.

Sec. La Crosse Co. Jersey Breeders Assoc. (Jersey cattle).—*b.* Cazenovia, Wis., Aug. 28, 1889; *s.* Geo. and Emily L. (Wallace) V.; reared on farm; *m.* Elizabeth VanDenberg, Aug. 9, 1916; *c.* Glen Van Denberg. B.A., Univ. Wis., 1914.

Vestal, Claude M., assoc. in an. husb., Purdue Univ. Exp. Sta., W. LaFayette, Ind.

Asst. agrl. ext., Purdue Univ., 1912; instr. to assoc. prof., Kans. State Agr. Coll., 1912-7; exchange prof., Univ. Calif., 1917; present position, 1918–.—*b.* Montezuma, Ind., Feb. 25, 1883; *s.* Henry C. and Isabel (Brown) V.; reared on farm; *m.* Helen M. Jones, Sept. 3, 1914. B.S.A., Purdue Univ., 1911. Alpha Gamma Rho; Alpha Zeta.

Vetter, Clarence W., co. agrl. agt., Monticello, Mo.

Instr. agr. and manual training, high-sch., Clay Co., Kans., 1917-8. Pres. Clay Center Farm and Home Inst., 1918. In U. S. Army, 1918.—*b.* Sterling, Ill., Apr. 16, 1891; *s.* Wm. and Helena (Peter) V.; reared in town and on farm. B.S., Ia. State Coll., 1917. Phi Kappa Phi; Gamma Sigma Delta.

Vickery, Roy Albion, ent. asst., U. S. Dept. Agr., San Antonio, Tex.

(Insects injurious to cereal and forage crops).—*b.* Mora, Minn., Mar. 15, 1883; *s.* Thos. B. and Hattie L. (Pomeroy) V.; reared in town. A.B., Univ. Minn., 1906; A.M., 1907. Sigma Xi.

Vickry, William C., co. agrl. agt., Malvern, Ark.

Teach. public schs., 1891-1908; co. supt. educ., Yalobusha Co., Miss., 1908-10; agrl. agt. Grant Co., Ark., 1910-9.—*b.* Coffeeville, Miss., Sept. 22, 1867; *s.* M. D. and Elizabeth (Long) V.; reared on farm; *m.* Stella Walker (d. 1913); 2d, Homie Tabor, Mar. 2, 1916; *c.* Myrtice, Wayne.

Vifquain, Russell Manning, instr. and superv. voc. agrl. educ., high-sch., Newton, Ia.

Prof. voc. agrl. educ., high-sch., Washington, Ia., 3 yrs.; present position, 1919–. In Panama, 1910-1. (Soils).—*b.* Springview, Neb., May 7, 1892; *s.* J. B. and May E. (Patterson) V.; reared on farm; *m.* Zola Ochiltree, June 20, 1917; *c.* Russell M. Jr. A.B., Neb. Wesleyan Univ., 1915; M.A., Univ. Mo., 1917. Alpha Tau Omega; Gamma Alpha.

Vinall, Harry Nelson, agron., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

(Dry-land forage crops, especially sorghums).—*b.* near Nevada, Ia., Jan. 31, 1880; *s.* Geo. W. and Delina (Neal) V.; reared on farm; *m.* Mary Agnes Austin, Oct. 31, 1912. B.S., Kans. State Agr. Coll., 1903; M.S.A., Cornell Univ., 1912. Sigma Xi; Phi Kappa Phi.

Vincent, Clarence Cornelius, prof. hort., Univ. Ida., Moscow, Ida.

Asst. hort., Ore. Agr. Coll., 1907-9; asst. hort., Univ. Ida., 1910; assoc. prof., Clemson Agr. Coll., 1911; assoc. prof. hort., Univ. Ida., 1912; prof., 1914–.—*b.* Middleton, Ore., May 3, 1884; *s.* Thos. T. and Alice (Countryman) V.; reared on farm; *m.* Adalite H. Horning, Sept., 1909; *c.* Robt., Alice Elizabeth, Wilbur. B.S.A., Ore. Agr. Coll., 1907; M.S., 1909; M.S.A., Cornell Univ., 1910.

Vincent, Edgar La Verne, farmer, 22 Ayers St., Binghamton, N. Y.

Teach. N. Y. public schs., 5 yrs. Bd. Supervisors, Broome Co., 5 yrs.; mem. N. Y. State Assembly, 2 yrs. *Ed.*, Olean Times, Waverly Advocate.—*b.* Persia, N. Y., Dec. 14, 1851; *s.* Hiram and Wealthy C. (Blakeley) V.; reared on farm; *m.* Jennie S. Fuller, Dec. 30, 1880; *c.* Edward F., Ralph M.

Vining, Keats Kendall, co. agrl. agt., Petoskey, Mich.

Teach. agr., high-sch., Fremont, Mich., 1913-8.—*b.* Lakeview, Mich., July 15, 1889; *s.* Cary W. and Mary (Kendall) V.; reared in town; *m.* Vesta Edgerly, Aug. 11, 1914; *c.* Keats K. Jr. B.S., Mich. Agr. Coll., 1913.

Vinson, Albert Earl, prof. agrl. chem., Univ. Ariz., Tucson, Ariz.

Instr. agrl. chem., Ohio State Univ., 1897-1902; present position, 1905–. Fellow A. A. A. S. (Chem. and processing of date, semi-arid soils, irrig. waters).—*b.* Dayton, O., Oct. 30, 1873; *s.* Samuel H. and Mary (Mull) V.; reared in city; *m.* Louisa M. Albert, June 17, 1897. B.S., Ohio State Univ., 1901; Ph.D., Univ. Goettingen, Germany, 1904. Sigma Xi; Phi Kappa Phi.

Vivian, Alfred, dean Coll. Agr., Ohio State Univ., Columbus, O.

Instr. pharmacognosy, Univ. Wis., 1894-5; asst. agrl. chem., 1895-7; instr. and asst. chem. Exp. Sta., 1897-1902; assoc. prof. agrl. chem., Ohio State Univ., 1902-5; prof., 1905–; dean Coll. Agr., 1915–. *Auth.*: First Principles of Soil Fertility, 1908; Everyday Chemistry, 1919.—*b.* Mineral Point, Wis., Mar. 14, 1867; *s.* John H. and Amelia (Stansmore) V.; reared in country; *m.* Frances Holder Chandler, Apr. 21, 1898. Ph.G., Univ. Wis., 1894.

Vogt, Paul L., supt. dept of rural work, Bd. Home Missions and Church Ext., Methodist Episcopal Church, 1701 Arch St., Philadelphia, Pa.

Special agt., U. S. Bur. Labor and Corporations, 1907-9; asst. prof. econ., Wash. State Coll., 1909-11; prof. sociol., Miami Univ., 1911-5; prof. and head dept. rural econ., Ohio State Univ., 1915-7; present position, 1917–. *Auth.*: Sugar Refining Industry, United States, 1908; Introduction to Rural Sociology, 1917.—*b.* Upper Sandusky, O., May 28, 1878; *s.* Wm. A. and Sarah J. (Ewart) V.; reared on farm; *m.* Carolyn A. Pennell, Aug. 27, 1905; *c.* Beatrice A., Wm. L. A.B., Butler Coll., 1903; Univ. Chicago, 1903; Ph.D., Univ. Penn., 1907. Delta Tau Delta.

Von Tungeln, George Henry, prof. rural sociol., Ia. State Coll., and chief rural sociol. sect., Ia. Exp. Sta., Ames, Ia.

Teach. rural schs., Ill., 2 yrs.; acting co. supt. schs., Pope Co., Ill., summer 1911; instr. English, Mich. Agr. Coll., 1910-1; asst. prof. rural sociol., Ia. State Coll., 1913-4; assoc. prof., 1914-9; prof., 1919–. Mem. Com. Social Welfare, Ia. State Conference of Social Work; Ia. state dir. for Nat. Country Life Assoc.; Ia. state superv. rural survey, Interchurch World Movement. *Joint auth.*:

Persistent Public Problems: Unemployment, Social and Industrial Righteousness, 1916.—*b.* Golconda, Ill., July 30, 1883; *s.* Gerhardt and Cathrine (Manson) V.; reared on farm; *m.* Maude Mildred Drew, Sept. 2, 1914. Ph.B., Cent. Wesleyan Coll., Warrentown, Mo., 1909; A.M., Northwestern Univ., 1910; Robert Treat Paine fellow, Harvard Univ., 1911-3. Gamma Sigma Delta.

Voorhees, John Haring, ed. Pennsylvania Farmer, 261 S. Third St., Philadelphia, Pa.

Instr. soils and fert., Rutgers Coll., 1913-5; supt. Franklin Farms, Mendham, N. J., 1915-7; agron., Agrl. Lime Bur., Washington, 1917; asst. ext. prof. farm crops, Cornell Univ., 1918-20. *Revisor*: Fertilizers, 1916.—*b.* New Brunswick, N. J., Jan. 27, 1889; *s.* Edward B. and Anna E. (Amerman) V.; reared on farm; *m.* Estelle Billingsley, July 17, 1918. B.S., Rutgers Coll., 1911. Delta Upsilon.

Voorhies, Edwin Coblentz, asst. prof. an. husb. and asst. to dean Coll. Agr., Univ. Calif., Berkeley, Calif.

Lieut. Field Artillery, U. S. Army.—*b.* Calif., May 18, 1892; *s.* Firman Butler and Susan (Coplantz) V.; reared in small town. B.S., Univ. Calif., 1913. Alpha Zeta; Theta Xi.

Vorhies, Charles Taylor, prof. ent. and ent. Exp. Sta., Univ. Ariz., Tucson, Ariz.

Asst. zool., Univ. Wis., 1904-8; prof. zool., Univ. Utah, 1908-15; asst. prof. biol., Univ. Ariz., 1915-6; prof. zool., 1916-8; prof. ent., 1918-. (Ecology desert animals, range rodents).—*b.* Mt. Pleasant, Ia., Sept. 7, 1879; *s.* Daniel J. and Rachel E. (Taylor) V.; reared on farm; *m.* Mary Isabel Tuttle, Sept. 7, 1901; *c.* Chas. Tuttle. B.S., Ia. Wesleyan Coll., 1902; Ph.D., Univ. Wis., 1908. Sigma Xi; Phi Delta Theta.

Vosbury, Edward David, sci. asst., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

1st Lieut. Air Serv., U. S. Army, 1917-8; served with A. E. F. (Tropical and subtropical fruit invests.)—*b.* Binghamton, N. Y., Oct. 4, 1887; *s.* Edward D. and Catherine M. (Poindexter) V.; reared in city; *m.* Margaret Connor, Apr. 19, 1919. B.S., Cornell Univ., 1914.

Vrooman, Carl Schurz, agrst., Bloomington, Ill.

Regent Kans. State Agr. Coll., 1898-1900. Formerly asst. sec. of agr., U. S. Dept. Agr. Farming in Ill. and Ia. *Auth.*: American Railway Problems, 1910; The Lure and Lore of Travel, 1914; Grain Farming in the Middle West, 1916.—*b.* Macon, Mo., Oct. 25, 1872; *s.* Hiram Perkins and Sarah (Buffington) V.; reared in village and city; *m.* Julia Green Scott, Dec. 28, 1896. Student Harvard Univ., 3 yrs.; study of econ., agr. and politics in Europe, 4 yrs. Pi Eta.

W

Wade, Joseph Sanford, sci. asst., Bur. Ent., U. S. Dept. Agr., Washington, D. C.

Field asst., U. S. Bur. Ent., Wellington, Kans., 1913-7; sci. asst. cereal and forage insect invests., 1917-. (Order Coleoptera,, family Tenebrionidae; insects injurious to wheat).—*b.* Marrowbone, Ky., July 20, 1880; *s.* Jas. B. and Nannie (Beck) W.; reared on farm. Student Fairmount Coll., Wichita, Kans.

Wade, Theo, invest. in coop. organization, Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Mem. Mich. Legislature, 1901-3. (Coop. marketing fruits and vegetables). —*b.* Ganges, Mich., Nov. 14, 1868; *s.* John P. and Sarah S. (Barnes) W.; reared on farm; *m.* Alice M. Chamberlain, June 4, 1890; *c.* Wave H., Don. D., Theo II, Fred G., Glenn Chamberlain, Robt. E. LL.B., Univ. Mich., 1888.

Wadsworth, James Wolcott Jr., farmer and senator, Mt. Morris, N. Y.

Farmer, Mt. Morris, N. Y., 1899-; manag. ranch, Paloduro, Tex., 1911-. Mem. N. Y. Assembly, 1905-10; speaker, 1906-10; U. S. Senator, 1915-.—*b.* Geneseo, N. Y., Aug. 12, 1877; *s.* Jas. W. and Louisa (Travers) W.; *m.* Alice Hay, Sept. 30, 1902. B.A., Yale Univ., 1898.

Wahlberg, Harold Edward, co. agrl. agt., Santa Ana, Calif.

Hort. comnr. Glenn Co., Calif., 1917-8; agrl. agt. Orange Co., 1918–. (Citrus culture).—*b.* Seattle, Wash., July 18, 1890; *s.* Hans C. and H. C. (Swedberg) W.; reared on farm; *m.* Bertha Wing, Mar. 1920. B.S., Ore. Agr. Coll., 1911.

Waid, Clarence William, ext. specialist hort., Mich. Agr. Coll., E. Lansing, Mich.

Asst. hort., N. H. A.&M. Coll., 1899-1900; asst. hort., Ohio Exp. Sta., 1900-7; fruit farmer, 1908-11; hort., Ohio State Bd. Agr., 1912-3; present position, 1914–. Vice-pres. O. Hort. Soc.; sec. O. For. Soc.; pres. and dir. Veg. Growers Assoc. of Amer.; pres. Potato Assoc. of Amer.; sec. Mich. Potato Growers Assoc.; sec. Mich. Veg. Growers Assoc. (Potatoes, veg. forcing).—*b.* Fulton Co., O., May 2, 1874; *s.* Wm. and Mariah (Kipp) W.; reared on farm; *m.* Iva Hughes, Sept. 28, 1902; *c.* Wm. Cyrus, Margaret Emma, Robt. Clarence. B.S., Ohio State Univ., 1898. Alpha Zeta.

Waite, Merton Benway, path. in chg. fruit disease invests., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Bot. asst., Univ. Ill., 1887-8; sci. asst. and asst. path., U. S. Dept. Agr., 1888-1901; present position, 1901-. Farmer, Woodwardville, Md.—*b.* Oregon, Ill., Jan. 23, 1865; *s.* E. J. and Elizabeth (Benway) W.; reared on farm and in town; *m.* Elizabeth E. Hurdle, Dec. 11, 1912; *c.* Merton T., Malden D. B.S., Univ. Ill., 1887; D. Agr., Md. State Coll., 1919.

Waite, Roy Harrison, poultry invest., Md. Exp. Sta., College Park, Md.

Foreman poultry plant, Mich. Agr. Coll., 1907-9; asst. biol., R. I. Exp. Sta., 1909-10; present position, 1910–.—*b.* Burnside, Mich., June 7, 1885; *s.* Wm. Henry and Sarah Elizabeth (King) W.; reared on farm; *m.* Mary Camp Baker, June 28, 1911; *c.* Alan Knowlton. B.S., Mich. Agr. Coll., 1907.

Wakeland, Claude, ext. ent., Univ. Ida., Boise, Ida.

Farmer and stockman, W. Colo., 10 yrs.; with Colo. Dept. Ent. and Exp. Sta., 5 yrs.—*b.* San Louis Valley, Colo., Aug. 2, 1888; *s.* L. B. and Georgia A. (Comer) W.; reared in city and in country; *m.* Celia Boston, Oct. 26, 1916. B.S., Colo. Agr. Coll., 1914. Alpha Zeta; Sigma Delta.

Waldron, Clara May, home dem. agt., Port Huron, Mich.

Formerly dietitian, J. E. M. Hospital, Council Bluffs, Ia., and Butterworth Hospital, Grand Rapids, Mich.—*b.* Tecumseh, Mich., Nov. 27, 1889; *d.* Chas. A. and Josephine (Colvin) W.; reared on farm. B.S., Mich. Agr. Coll., 1913. Omicron Nu.

Waldron, Clare Bailey, dean of agr., N. D. Agr. Coll., Agricultural College, N. D.

Instr. bot., Mich. Agr. Coll., 1888-90; prof. hort., N. D. Agr. Coll., 1890–; dean agr., 1915–. Fellow A. A. A. S. Pres. Tri-State Grain and Stock Growers Assoc. Mem. jury awards, St. Louis Expos.; chm. jury awards, Portland Expos.—*b.* Ravenna, O., Dec. 6, 1865; *s.* David S. and Louise (Root) W.; reared on farm; *m.* Lois Hooper, Dec. 24, 1891; *c.* Clarence, Max, Eloise. B.S., Mich. Agr. Coll., 1887. Alpha Gamma Rho; Alpha Zeta.

Waldron, James A., ext. specialist in dairying, Mich. Agr. Coll., E. Lansing, Mich.

Teach. agr., Carlton high-sch., Mich., 2 yrs.—*b.* Tecumseh, Mich., June 12, 1887; *s.* C. A. and Josephine (Colvin) W.; reared on farm. B.S., Mich. Agr. Coll., 1910. Alpha Zeta.

Waldron, Lawrence Root, plant-breeder, N. D. Exp. Sta., Agricultural College, N. D.

Asst. bot., N. D. Agr. Coll., 1900-5; supt. Exp. Substa., 1905-16; present position, 1916–. Fellow A. A. A. S.—*b.* Iona, Mich., Oct. 20, 1875; *s.* D. S. and L. A. (Root) W.; reared on farm; *m.* Emma Grafenstein, 1903; *c.* Heber G., Frederick R., Chas. B., Lois A. B.S., N. D. Agr. Coll., 1899; M.A., Univ. Mich., 1902.

Walker, Edward Taber, pub. and manag. ed., The Practical Farmer, 121 N. 7th St., Philadelphia, Pa.

b. Westfield, N. Y., Jan. 12, 1873; *s.* Wm. H. and Jennett A. (Taber) W.; reared in town; *m.* Frances L. Supplee, May 19, 1906; *c.* Danforth Supplee, Jennett Supplee.

Walker, J. Charles, asst. prof. plant path. and asst. path., U. S. Dept. Agr., Univ. Wis., Madison, Wis.

b. Racine, Wis., July 6, 1893; *s.* Samuel B. and Alice (Davis) W.; reared on farm. B.S., Univ. Wis., 1914; M.S., 1915; Ph.D., 1918.

Walker, Lee Roy, co. agrl. agt., Marquette, Mich.

Teach. rural schs., 1899-1900; princ. schs., Mecosta, Mich., 1904-7; supt. schs., Muskegon Heights, 1907-13; agt. Marquette Co., 1915-.—*b.* Imlay City, Mich., Jan. 15, 1880; *s.* Lyman R. and Margaret (Bell) W.; reared on farm; *m.* Edna Blanche Wright, Aug. 23, 1906; *c.* Margaret Jane. B.S., Mich. Agr. Coll., 1915.

Walker, Lucius Marshall Jr., co. agrl. agt., King George C. H., Va.

b. Ivy Depot, Va., Feb. 14, 1896; *s.* Lucius Marsh and Maude (Waddell) W.; reared on farm. Grad. Va. Poly. Inst., 2-yr. course.

Walker, Seth Stetson, chem., Fla. Citrus Exchange and Exchange Supply Co., Tampa, Fla.

Asst. chem., Purdue Univ., 1909-10; asst. chem., Rubber Regenerating Co., 1910-2; asst. chem., Fla. Exp. Sta., 1912-5; assoc. chem., 1915-7; chem., Fla. Fruit Products Co., 1917-8; soil chem., La. Exp. Sta., 1918-20; present position, 1920-. (Citrus fruit fertilizers and by-products).—*b.* Orleans, Ind., Jan. 26, 1886; *s.* Edward Preston and Hannah Frances (Grey) W.; reared in country town; *m.* Ethel May Hamlin, Sept. 28, 1910; *c.* Helen Mary. B.S., John B. Stetson Univ., 1907; B.S., Univ. Chicago, 1907; M.S., 1909. Phi Kappa Delta.

Walker, William Henry, farmer and physician, Willows, Calif.

Pres. Glenn Co. Farm Bur.; pres. Calif. Farm Bur. Fed.; mem. exec. com., Amer. Farm Bur. Fed.—*b.* Brushcreek, Ia., Nov. 23, 1870; *s.* Ransom and Mary Elizabeth (Cable) W.; reared on farm; *m.* Minnie Agnes McLaughlin, 1896; *c.* Dean M., Leona, Ralph, Margaret. B.S., N. Ind. Univ., 1894; M.D., Rush Med., 1900.

Walkley, Fred Rosman, co. agrl. agt., Wampsville, N. Y.

Teach. agr., high-sch., Castile, N. Y., 1917-8; asst. co. agt. Cayuga Co., 1918-9; present position, 1920-.—*b.* LeRoy, N. Y., May 18, 1895; *s.* Frank L. and Carrie E. (Coe) W.; reared on farm; *m.* Doris Aldrich, June 1918; *c.* Glen Evelyn. B.S., Cornell Univ., 1917. Kappa Delta Rho.

Wall, Marion Willoughby, co. agrl. agt., Jackson, N. C.

Teach. agr., Chesbrough Agrl. Sch., N. C., 1911-3; agt. Northampton Co., N. C., 1917-. Sec. Roanoke-Chowan Fair Assoc., 1919-20. 1st Lieut., Nat. Guard, S. C., 1916.—*b.* Eulonia, S. C., July 3, 1889; *s.* F. Marion and Rebecca (Baker) W.; reared on farm. B.S., Clemson Agr. Coll., 1911.

Wall, Robert D., state vet., Dept. Agr., Des Moines, Ia.

b. Chicago, Ill., Feb. 10, 1883; *s.* Robt. and Kate (Cassell) W.; reared in town; *m.* Marie J. Grant, May 12, 1908; *c.* Robt. Grant. Student Chicago Vet. Coll. Alpha Psi.

Wall, Roscoe Riner, co. agrl. agt., Tazewell, Va.

Organizer Tazewell Farm Bur., Tazewell Co. Pure Bred Shorthorn Assoc.—*b.* E. Radford, Va., Jan. 11, 1893; *s.* J. J. and Margarete C. W.; reared on farm. B.S., Va. Poly. Inst., 1916.

Wallace, Daniel Alden, ed. The Farmer, St. Paul, Minn.

Mem. Minn. Econ. and Efficiency Comn.; State Food Comn.—*b.* Winterset, Ia., Dec. 23, 1878; *s.* Henry and Nannie (Cantwell) W.; reared in small town; *m.* Adele Snyder, June 6, 1902. B.S.A., Ia. State Coll., 1901. Phi Gamma Delta.

Wallace, Errett, plant path., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

b. W. Gore, N. S., June 4, 1877 (naturalized 1912); *s.* Josiah and Ermina (Stevens) W.; reared on farm; *m.* E. Lillian Armstrong, June 12, 1915; *c.* John Armstrong. B.S.A., Cornell Univ., 1908; M.S.A., 1909; Ph.D., 1911.

Wallace, Henry A., assoc. ed. Wallaces' Farmer, Des Moines, Ia.

Statistical adv. to comn. on cost of producing hogs, U. S. Food Adminis. Studied agr. in Europe, 1912. *Auth.*: Agricultural Prices, 1920. (Corn breeding).—*b.* Adair Co., Ia., Oct. 7, 1888; *s.* Henry C. and May (Brodhead) W.; reared on farm and in city; *m.* Ilo Browne, May 20, 1914; *c.* Henry B., Robt. B. B.S., Ia. State Coll., 1910.

Wallace, Henry C., ed. Wallaces' Farmer, Des Moines, Ia.

Prof. dairying, Ia. State Coll., 1892-4; with Wallaces' Farmer, 1895–. Mem. U. S. Live-Stock Ind. Com., 1917; chm. Hog Ind. Com.; sec. Corn Belt Meat Producers Assoc.; mem. Market Com., Amer. Nat. Live-Stock Assoc.—*b.* Rock Island, Ill., May 11, 1866; *s.* Henry and Nannie (Cantwell) W.; reared in town and on farm; *m.* Carrie May Brodhead, Nov. 24, 1887; *c.* Henry A., John B., Annabelle J., James W., Mary O., Ruth E. B.S., Ia. State Coll., 1891. Delta Tau Delta.

Wallace, Robert Clarence Edwin, assoc. prof. soils, Purdue Univ., LaFayette, Ind.

Asst. soils, Ohio Exp. Sta., 1906-12; present position, 1912–.—*b.* Wooster, O., Feb. 5, 1875; *s.* Robt. Anderson and Sarah Ellen (Bracken) W.; reared on farm; *m.* Mabel Fellows, Oct. 28, 1908; *c.* Robt. Emerson. B.S.A., Ohio State Univ., 1906. Alpha Gamma Rho.

Walls, Edgar Perkins, co. agrl. agt., Easton, Md.

Asst. agron., Md. Exp. Sta., 1903-5; asst. prof. bot. and plant path., 1908-9; prof. hort., St. Lawrence Univ., 1909-10; instr. bot. and plant path., Ore. Agr. Coll., 1910-4; agt. Talbot Co., Md., 1914–; special agt., Bur. Chem., summers 1907-9. (Farm manag., agron.).—*b.* Barclay, Md., Sept. 3, 1882; *s.* David and Mary Augusta (Perkins) W.; reared on farm; *m.* Olive Shreve Kimberlin, Dec. 19, 1909. B.S., Md. Agr. Coll., 1903; M.S., 1905; student Johns Hopkins Univ., 1905-6.

Walster, Harlow Leslie, agron., N. D. Exp. Sta., dir. N. D. Soil Survey, Agricultural College, N. D.

Asst. soils, Univ. Wis., 1908-9; instr., 1909-12; asst. prof., 1913-8; present position, 1918–. *Auth.*: (with Whitson) Soils and Soil Fertility, 1912. (Physiol. of farm crops).—*b.* Troy, Wis., Apr. 20, 1883; *s.* Geo. Albert and Mary E. (Stelzman) W.; reared on farm. B.S.A., Univ. Wis., 1908; M.A., Harvard Univ., 1913; Ph.D., Univ. Chicago, 1918. Phi Beta Kappa; Sigma Xi; Alpha Zeta; Phi Lambda Upsilon; Gamma Alpha; Alpha Gamma Rho.

Walton, Richard C., asst. prof. plant path., Penn. State Coll., Arendtsville, Pa.

Instr. plant path., Penn. State Coll., 1918-9; asst. prof., 1919–.—*b.* Toughkenamon, Pa., Aug. 20, 1886; *s.* Chandler B. and Eva (Chambers) W.; reared in village; *m.* Lucile Orr, Nov. 24, 1915; *c.* Richard C. Jr., Dorothy O. B.S., Penn. State Coll., 1911. Delta Upsilon; Delta Theta Sigma.

Walton, William Marshall, hort., LaPorte, Ind.

Pres. Orchard Development Co., La Porte and Rochester, Ind., 1913-20. Pres. Ind. Hort. Soc., 1915-6; pres. Ind. Fruit Growers Assoc., 1919; mem. exec. com., Intern. Apple Show, 1919-20; mem. exec. bd. Ind. Hort. Soc., 1917-20. —*b.* LaPorte, Ind., Jan. 2, 1886; *s.* Wm. M. and Anna Elizabeth (Polly) W.; reared in city and on farm; *m.* Marguerite L. Wright, Sept. 16, 1913; *c.* Mary Margaret, Wm. Marshall III. Grad. Purdue Univ., 1910. Sigma Nu; Beta Zeta.

Walton, William Randolph, ent. in chg. cereal and forage insect invests., Bur. Ent., U. S. Dept. Agr., Washington, D. C.

Artist and specialist, Div. Econ. Zool., Harrisburg, Pa., 1906-10; ent asst., Bur. Ent., 1910-6; present position, 1916–. Pres. Ent. Soc. Washington.—*b.* Brooklyn, N. Y., Sept. 23, 1873; *s.* Walter and Susan (Macardell) W.; reared in city and country; *m.* Mary Agnes Becker, June 9, 1904; *c.* Walter F., Margaret, Wm. R. Jr., Henry V., John M.

Walworth, Edward Harvey, co. agrl. agt., Martinsville, Ill.

Asst. agron., Univ. Ill., 1913-6; instr., 1916-8; present position, 1918–.—*b.* Mazon, Ill., Nov. 13, 1888; *s.* E.

Willard and Estelle S. (Dewey) W.; reared on farm; *m.* Frances Hinds, Oct. 24, 1913; *c.* Lois Nelle, Willard Hinds, Bryant Leonidas. B.S., Univ. Ill., 1913; M.S., 1917. Sigma Xi.

Warber, Gustave Paul, specialist in marketing farm products, Bur. Markets, U. S. Dept. Agr., Washington, D. C.

b. Minn., Aug. 17, 1886; *s.* Henry and Sophia (Vihstad) W.; reared on farm. B.S.A., Univ. Minn., 1913; M.A., 1914.

Warburton, Clyde William, agron. in chg. oat invests., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Sec. Amer. Soc. Agron., 1915-7. *Auth.*: (with A. D. Wilson) Field Crops, 1912. *Ed.* book dept., Webb Pub. Co. and assoc. ed. The Farmer, 1911-2; ed. Journal Amer. Soc. Agron., 1914–.—*b.* Independence, Ia., Dec. 7, 1879; *s.* Wm. H. and Ellen (Irvine) W.; reared on farm; *m.* Anne E. Draper, Oct. 16, 1907. B.S.A., Ia. State Coll., 1902. Beta Theta Pi; Phi Kappa Phi.

Ward, Albert Henry, asst. ext. prof. poultry, Ia. State Coll., Ames, Ia.

Ext. poultryman in Ia., Bur. An. Ind., U. S. Dept. Agr., 1918; present position, 1918–. 2d Lieut. Field Artillery, U. S. Army.—*b.* Chicago, Ill., Apr. 23, 1895; *s.* Josiah and Agnes (Greig) W.; reared in town; *m.* Beulah Tibbetts, Aug. 31, 1919. B.S., Ia. State Coll., 1918. Gamma Sigma Delta.

Ward, Don D., assoc. farm bur. manag., Syracuse, N. Y.

Sci. asst. div. pom., U. S. Dept. Agr., 1912-6; market insp. fruits and vegetables, U. S. Bur. Markets, 1917; co. agt., Exeter, N. H., 1918-20.—*b.* S. Danby, N. Y., May 15, 1887; *s.* T. S. and Flora (Dowe) W.; reared on farm; *m.* Nellie A. Matthews, July 15, 1912; *c.* Dorothy Lois, Barbara Jeanette. B.S.A., Cornell Univ., 1912.

Ward, Frances Vinton, asst. prof. foods and cookery, Univ. Minn., St. Paul, Minn.

Teach. sci. and home econ., high-sch., Middletown, Conn., 1906-15; instr. home econ., Cornell Univ., 1915-7; present position, 1917–.—*b.* Mt. Vernon, N. Y., June 5, 1881; *d.* Frederick H. and Caroline (Hamlyne) Vinton; reared on farm; *m.* H. Lee Ward, 1917. B.A., Boston Univ., 1904. Gamma Phi Beta.

Ware, Henry G., co. agrl. agt., Tulia, Tex.

Teach. public schs., Tex., 2 yrs.; asst. supt. Tex. Exp. Sta., 1 yr.; stock farmer, 5 yrs. Mechanical instr., U. S. Army, 7 mos. (An. husb.).—*b.* Kemp, Tex., Sept. 26, 1894; *s.* Jas. J. and Camilla K. (Todd) W.; reared on farm. Grad. Tex. A.&M. Coll., 1914.

Warner, Frank E., farmer, S. Haven, Mich.

Pres. S. Haven Fruit Exchange; vice-pres. and manag. S. Haven Fruit Assoc.; pres. S. Haven and Casco Pom. Soc.; mem. co. bd. dirs., Mich. State Farm Bur. (Apples).—*b.* Fulton Co., N. Y., Feb. 5, 1858; *s.* Anson and Olive (Mead) W.

Warner, John Willits, co. agrl. agt., Indiana, Pa.

Manag. Ellenwood Farm, Hatboro, Pa., 1913-4; superv. agr., Elders Ridge Voc. Sch., 1914-8; present position, 1918–.—*b.* Pennsdale, Pa., Feb. 28, 1890; *s.* Henry E. and Annie (Ecroyd) W.; reared on farm; *m.* Mildred M. Kimmel, June 28, 1916; *c.* Edwin K., John W. Jr. B.S., Penn. State Coll., 1913. Phi Kappa Phi; Pi Kappa Alpha.

Warner, Kenneth Fisher, asst. prof. an. husb. ext., Univ. Neb., Lincoln, Neb.

Instr. an. husb., Univ. Minn., 1912-5; present position, 1915–. Sec. Neb. Feeders Assoc.—*b.* Roca, Neb., Sept. 10, 1891; *s.* A. G. and Cora (Fisher) W.; reared in city and country. A.B., Univ. Neb., 1912; M.S., Univ. Minn., 1915. Alpha Zeta.

Warren, Alfred, co. agrl. agt., Ft. Pierce, Fla.

Agt. St. Lucie Co., Fla., 1916–.—*b.* Zweisimmen, Switzerland, Sept. 25, 1877 (naturalized as minor); *s.* Christian and Sussanna Katherine (Stern) W.; reared on farm and in city; *m.* Ethel D. Wolfe, Dec. 27, 1911; *c.* Howard Alfred, Edna Louise. B.S., Damascus Acad., Damascus, O., 1901; A.B., Earlham Coll., Richmond, Ind., 1904; M.S., Coll. of Hawaii, Honolulu, 1914; M.S.E., Univ. Calif., 1916.

Warren, George Frederick, prof. agrl. econ. and farm manag., Cornell Univ., Ithaca, N. Y.

Princ. and supt. schs., Neb., 1897–1903; hort., N. J. Exp. Sta., 1905-6; asst. prof. agron., Cornell Univ., 1906-7; asst. prof. farm crops, 1907-9; prof. farm manag., 1910-9; prof. agrl. econ. and farm manag., 1919–. Farmer, 1906–. *Auth.*: Elements of Agriculture, 1909; Laboratory Exercises in Farm Management, 1910; Farm Management, 1913; (with Eckles) Dairy Farming, 1916. —*b.* Harvard, Neb., Feb. 16, 1874; *s.* Geo. F. and Julia C. (Stanley) W.; reared on farm; *m.* Mary Whitson, June 21, 1906; *c.* Stanley Whitson, Jean, Richard, Geo. Frederick, Martha, Mary. B.Sc., Univ. Neb., 1897; B.S.A., Cornell Univ., 1903; M.S.A., 1904; Ph.D., 1905. Sigma Xi; Gamma Alpha.

Warren, Gertrude L., home econ., asst. boys' and girls' club work, Off. Ext. N. and W., States Relations Serv., U. S. Dept. Agr., Washington, D. C.

Teach. public schs., 1906-13; instr. household arts, Teach. Coll., Columbia Univ., 1915-6, summers, 1916-7; instr. household arts, Simmons Coll., 1916-7; present position, 1917–.—*b.* Lockport, N. Y., Nov. 17, 1884; *d.* John H. and Lily (Andrews) W.; reared in town and country. B.S., Teach. Coll., Columbia Univ., 1916.

Warren, Winnie, home dem. agt., Milton, Fla.

b. DeFuniak Springs, Fla., July 11, 1893; *d.* Miles A. and Caroline (Thomas) W.; reared in town. B.S., Fla. State Coll. for Women, 1915. Alpha Delta Pi.

Warsaw, W. W., asst. prof. soil tech. ext., Cornell Univ., Ithaca, N. Y.

Instr. soil tech., Cornell Univ., 1914-6; asst. prof., 1916—. Sec. N. Y. State Drainage Assoc.—*b.* Riceville, Ia., May 7, 1890; *s.* Edward R. and Elizabeth (Mills) W.; reared on farm and in town; *m.* Alice M. Sperry, June 23, 1914; *c.* Eleanor Jean, Alice Katherine. B.S.A., Ia. State Coll., 1913. Alpha Zeta.

Washburn, Frank P., farmer, Perry, Me.

Mem. Me. House of Representatives, 8 yrs.; house chm. Com. on Agr. Pres. Washington Co. Farm Bur.; deputy, Me. State Grange, 14 yrs.—*b.* Perry, Me., Sept. 5, 1876; *s.* Chas. L. and Mary (Dana) W.; reared on farm; *m.* Minnie Louise Cedarwall, Oct. 1901; *c.* Alice, Marshall, Louise, Lee, Ruth. Student Mass. Agr. Coll. Phi Sigma Kappa.

Washburn, Frederick Leonard, prof. econ. vert. zool., Univ. Minn., University Farm, St. Paul, Minn.

Instr. zool., Univ. Mich., 1887-8; prof. zool. and ent., Ore. Agr. Coll., state biol. and ent. Exp. Sta., 1888-95; prof. biol., Univ. Ore., 1895-1902; prof. ent. and state ent., Univ. Minn., 1902-18; prof. econ. vert. zool., 1918–. Fellow A. A. A. S. Traveled in Europe and W. Indies.—*b.* Brookline, Mass., Apr. 12, 1860; *s.* Nehemiah and Martha (Parmlee) W.; reared on farm and in city; *m.* Frances Wilcox, Dec. 27, 1887; *c.* Martha, Alice. A.B., Harvard Univ., 1882; M.A., 1895.

Washburn, John Hosea, agrst., Chalfont, Pa.

Teach. common and high-schs., 1878-91; prof. chem., Storrs Agr. Sch., 1883-7; pres. and prof. agrl. chem., R. I. State Coll., 1889-92; dir. Nat. Farm Sch., Bucks Co., Pa., 1892-1917.—*b.* Bridgewater, Mass., June 5, 1859; *s.* Hosea and Wealthy (Packard) W.; *m.* Martha W. Merrow, May 26, 1887. B.S., Mass. Agr. Coll., 1878; A.M., Univ. Goettingen, 1887; Ph.D., 1889.

Washburn, Robert Mann, prof. dairy husb., Univ. Minn., University Farm, St. Paul, Minn.

Teach. an. and dairy husb., Baron de Hirsch Agr. Sch., 1902-4; asst. prof. dairy husb., Univ. Mo., 1904-5; state dairy and food comnr., Mo., 1905-8; prof. an. and dairy husb., Univ. Vt., 1908-11; present position, 1911–. *Auth.*: Productive Dairying, 1916.—*b.* Monticello, Minn., Sept. 20, 1874; *s.* Edson Dean and Amelia (Wells) W.; reared on farm; *m.* Alice Wiltse, Aug. 1903; *c.* Robt. Carleton, Katherine, Winifred, Harriet. B.Agr., Univ. Minn., 1901; M.S.A., Univ. Mo., 1908. Alpha Zeta.

Waters, Henry Jackson, Kans. City Star, Kansas City, Mo.

Asst. sec. Mo. State Bd. Agr., 1886-8; asst. agr., Mo. Exp. Sta., 1886-91; prof.

agr. and agrst. Exp. Sta., Penn. State Coll., 1892-5; prof. agr., dean Coll. Agr. and dir. Exp. Sta., Univ. Mo., 1895-1909; pres. Mo. State Bd. Agr., 1908-9; pres. Kans. State Agr. Coll., 1909-17; present position, 1917-. Comnr. from U. S. to Philippine Isls. to report on agrl. and educ. development. Mem. Kans. State Bd. Educ., 1909; Kans. State School Book Comn., 1913. Pres. Soc. Promotion Agrl. Sci., 1914-5; pres. Kans. State Teach. Assoc., 1913; pres. Kans. Council Nat. Defense, 1917; state food adminis. of Kans., 1917; mem. President's Comn. to Fix Price of Wheat, 1917; mem. President's Ind. Council, 1919. *Auth.*: The Essentials of Agriculture, 1915; (with J. D. Elliff) Laboratory Exercises and Home Projects in Agriculture, 1919.—*b.* Center, Mo., Nov. 23, 1865; *s.* Geo. Washington and Lavinia Jane (Smith) W.; *m.* Margaret Watson, June 3, 1897. B.S.A., Univ. Mo., 1886; LL.D., N. H. A.&M. Coll., 1913, Univ. Mo., 1916; studied Univ. Leipzig and Zurich, 1904-5. Phi Beta Kappa; Sigma Xi; Alpha Zeta.

Wathen, George Frank Jr., co. agrl. agt., Leonardtown, Md.

b. Loveville, Md., Feb. 7, 1875; *s.* Geo. F. and Rosa (Graves) W.; reared on farm.

Watkins, Grace Vida, home dem. agt., Mineola, N. Y.

Teach. primary grades, Beckville, Tex., 1906-8; teach. English, Cleburne, Tex., 1910-2; head home econ. dept., high-sch., Paris, Tex., 1913-8; home dem. agt. Nassau Co., N. Y., 1918-.—*b.* Minden, Tex., Dec. 15, 1887; *d.* Geo. Isham and Delia (Wright) W.; reared in village. Grad. Coll. Ind. Arts, Denton, Tex.; B.S., Teach. Coll., Columbia Univ.

Watkins, L. Whitney, farmer and fruit-grower, Manchester, Mich.

State Senator, 2 terms; mem. State Bd. Agr.; pres. Mich. Live-Stock Breeders and Feeders Assoc.; pres. State Assoc. of Farmers Clubs; pres. Mich. Crop Improvement Assoc.; pres. Jackson Co. Farm Bur.; dir. Manchester Coop. Shippers Assoc.; vice-pres. Mich. State Fair; dir. W. Mich. State Fair. *Ed.*, Mich. Ornithological Club Bull.—*b.* Norvell, Mich., Aug. 6, 1873; *s.* Lucius D. and Sarah (English) W.; reared on farm; *m.* Grace Edith Alley; *c.* Denison, Catherine, Douglas, Merrit. B.S., Mich. Agr. Coll., 1893.

Watkins, S. L., seedsman and nurseryman, Grizzly Flats, Calif.

(Extensive experiments with berries, dahlias and gladioli).—*b.* Greensburg, Pa., Aug. 24, 1865; *s.* Jas. M. and Eliza J. (Leems) W.; reared on farm and in city.

Watrud, Hjalmar Oliver, co. agrl. agt., Decorah, Ia.

Farm manag. dem. for U. S. Dept Agr. and Univ. Wis., 1914-7; farm labor specialist, U. S. Dept. Agr. and Univ. Wyo., 1917.—*b.* near Blanchardville, Wis., Mar. 25, 1885; *s.* Martin. J and Christina Augusta (Gilbertson) W.; reared on farm; *m.* Amelia Christina Wang, June 12, 1918. B.S.A., Univ. Wis., 1913; M.S., 1914.

Watson, Claude U., co. agrl. agt., New Albany, Ind.

2d Lieut., U. S. Army, World War, 11 mos. (Olericulture).—*b.* Clay Co., Ind., Apr. 29, 1892; *s.* I. A. and Margaret Anne W.; reared on farm; *m.* Eva E. Moore, July 12, 1919. B.S.A., Purdue Univ., 1917.

Watson, C. T., co. agrl. agt., Lamesa, Tex.

Princ. high-sch., 6 yrs.; sec. Lamesa Chamber of Commerce.—*b.* Shreveport, La., Mar. 31, 1890; *s.* P. J. and Mattie Ida (Powell) W.; reared on farm; *m.* Mabel Gideon, Dec. 30, 1914. B.S., E. Tex. Normal Coll.

Watson, Curry Wathan, state superv. agrl. educ., Univ. Neb., Lincoln, Neb.

Ed., dept. agr. and home econ., Nebraska Teacher.—*b.* Mauckport, Ind., Apr. 28, 1881; *s.* Bufford and Margaret L. (Miller) W.; reared on farm; *m.* Minnie Ellen Fried, Apr. 8, 1903; *c.* Margaret. A.B., Univ. Neb., 1917. Alpha Zeta; Gamma Sigma Delta.

Watson, James Gray, sec.-treas. Ayrshire Breed Assoc., Brandon, Vt.

Asst. prof. dairy ext., Ia. State Coll., 1913-5; assoc. prof. dairying, Univ. Mo., 1915-6. Dir. Nat. Dairy Council. *Ed.*, Ayrshire Quarterly.—*b.* Crosshouse, Scotland, Mar. 14, 1886 (naturalized

1920); *s.* John and Agnes (Gray) W.; reared on farm and in city. B.S., Ia. State Coll., 1913. Phi Kappa Phi; Delta Sigma Rho; Delta Theta Sigma.

Watson, Joseph Ralph, ent., Fla. Exp. Sta., Gainesville, Fla.

Asst. biol., Western Reserve Univ., 1899-1900; prof. nat. sci., Rochester Coll., Ind., 1902-5; prof. biol., Univ. N. Mex., 1907-11; present position, 1911-.—*b.* Berea, O., Aug. 1, 1874; *s.* David K. and Urania Maria (Parker) W.; reared on farm; *m.* Elizabeth J. Prout, Aug. 28, 1902; *c.* Wilma Ruth, Faith, Muriel. B.Sc., Baldwin Univ., 1897; A.M., Western Reserve Univ., 1899. Phi Kappa Phi.

Watson, Lawrence Orr, path. adv., U. S. Dept. Agr., Florence, S. C.

Asst. chem., Clemson Agr. Coll., 1908-10; field path., S. C. Exp. Sta., 1911-4; asst. path., U. S. Dept. Agr., 1914-6; path. adv., 1916-.—*b.* Ninety Six, S. C., Aug. 28, 1888; *s.* Jas. Dorsey and Virginia (Campbell) W.; reared on farm and in town; *m.* Julia Drake, Nov. 11, 1914; *c.* Lawrence O. Jr., John Drake. B.S., Clemson Agr. Coll., 1908.

Watson, Wayne E., co. agrl. agt., Farmington, Minn.

Teach. high-sch., Herwar, Minn., 1 yr., Milaca, 3 yrs.—*b.* Stillwater, Okla., Sept. 25, 1893; *s.* W. A. and C. B. (Ratcliff) W.; reared on farm; *m.* Lucy R. Dayton, Aug. 11, 1915; *c.* Robt. D. B.S., Okla. A.&M. Coll., 1913.

Watts, Ralph L., dean and dir. Sch. Agr. and Exp. Sta., Penn. State Coll., State College, Pa.

Instr. bot. and hort., Tenn. Exp. Sta., 1890-9; lect. farmers insts., 1899-1908; commercial hort., Johnstown, Pa., 1900-8; prof. hort., Penn. State Coll., 1908-12; dean and dir. Sch. Agr. and Exp. Sta., 1912-. Jr. pres. Veg. Growers Assoc. of Amer. *Auth.*: Vegetable Gardening, 1913; The Vegetable Garden, 1915; Vegetable Forcing, 1917. *Assoc. ed.*, Nat. Stockman and Farmer. (Veg. gard.).—*b.* Lumber City, Pa., June 5, 1869; *s.* Martin Overholser and Marian Elizabeth (Hoyt) W.; reared on farm; *m.* Hattie Searle, Jan. 1, 1895; *c.* Gilbert Searle, Curtis MacClure, Grace Elizabeth. B.S., Penn. State Coll., 1890; M.S., 1899; D.Agr., 1916. Sigma Pi.

Waugh, Frank Albert, head div. hort. and prof. lands. gard., Mass. Agr. Coll., Amherst, Mass.

Okla. A.&M. Coll., 1892-5; Univ. Vt., 1895-1902; Mass. Agr. Coll., 1902-. Capt. Sanitary Corps, U. S. Army, 1918-9. *Auth.*: Landscape Gardening, 1898; Plums and Plum Culture, 1899; Fruit Marketing, 1900; Systematic Pomology, 1903; Dwarf Fruit Trees, 1907; American Apple Orchard, 1908; The Landscape Beautiful, 1910; Kemp's Landscape Gardening, 1910; Beginners' Guide to Fruit Growing, 1912; American Peach Orchard, 1913; Rural Improvement, 1914; The Natural Style in Landscape Gardening, 1917; Outdoor Theaters, 1917.—*b.* Sheboygan Falls, Wis., July 8, 1869; *s.* Albert F. and Lana (Biehler) W.; reared on farm; *m.* Alice Vail, 1893; *c.* Dan F., Dorothy, Frederick V., Esther, Albert F., Sidney B. B.Sc., Kans. State Agr. Coll., 1891; M.Sc., 1893. Kappa Sigma.

Wayland, John Walter, prof. hist. and social sci., State Normal Sch., Harrisonburg, Va.

Prof. hist., Bridegwater Coll., 1896-1906; instr. hist., Univ. Va., 1906-9; present position, 1909-. *Auth.*: Paul the Herald of the Cross, 1901; The Twelve Apostles, 1905; Political Opinions of Thomas Jefferson, 1907; The German Element of the Shenandoah Valley, 1907; Sidney Lanier at Rockingham Springs, 1912; A History of Rockingham County, Va., 1912; How to Teach American History, 1914; History Stories for Primary Grades, 1919; Christ as a Teacher, 1919. (Rural sociol.).—*b.* Mt. Jackson, Va., Dec. 8, 1872; *s.* John Wesley and Anna (Kagey) W.; reared on farm; *m.* Mattie Virginia Fry, June 8, 1898; *c.* Francis, Walter. B.A., Bridegwater Coll., 1899; Ph.D., Univ. Va., 1907. Phi Beta Kappa; Delta Sigma Rho.

Weatherby, E. C., co. agrl. agt., Auburn, N. Y.

Sec. Tompkins Co. Farm Bur., 1915-7. —*b.* Enfield, N. Y., Sept. 11, 1893; *s.* J. C. and Mary E. (Curry) W.; reared on farm; *m.* Winifred Hadley, Aug. 14,

1917. B.S., Cornell Univ., 1915. Alpha Gamma Rho.

Weaver, Frederick Pattison, prof. agrl. ext., Penn. State Coll., State College, Pa.

Instr. agrl. chem., Penn. State Coll., 1914-5; prof. agrl. ext., 1915–.—*b.* Dauphin Co., Pa., Nov. 7, 1882; *s.* Philip and Amelia (Daniels) W.; reared on farm; *m.* Marjory Irene Barto, June 7, 1919. B.S., Penn. State Coll., 1914. Alpha Zeta; Acacia.

Webb, Alan G., quarantine insp., Fed. Hort. Bd., Federal Bldg., Seattle, Wash.

b. Wellsboro, Pa., Dec. 5, 1888; *s.* C. W. and Mame (Hastings) W.; reared in town; *m.* Carolyn Ely, Mar. 12, 1912; *c.* Jane Hastings. B.S., Penn. State Coll., 1914.

Webb, Wesley, sec. State Bd. Agr., Dover, Del.

Prof. agr., Del. Coll., 1882-5; pres. State Coll. for Colored Students, Dover, 1894-9. Sec. Peninsula Hort. Soc., 1888–; vice-pres. Nat. Corn Growers Assoc. for Del.; sec. State Grange of Del.; pres. Amer. Assoc. Farmers Inst. Workers, 1916-7, sec.-treas., 1917–. *Ed.*, Delaware Farm and Home, 1885-96. Farmer in Me. and Del. (Hort.).—*b.* Montville, Me., June 3, 1851; *s.* Samuel Wesley and Mary (Choate) W.; reared on farm; *m.* Mary B. Webb, Oct. 26, 1876; 2d, Mary A. Crouch, Jan. 12, 1887; *c.* Carlisle Allen, Geo. Samuel, Henry Crouch. B.S., Univ. Me., 1875; M.S., 1883.

Webber, Herbert John, gen. manag. Pedigree Seed Co., Hartsville, S. C.

Asst. bot., Univ. Neb., 1889-90; asst. bot., Washington Univ., 1890-2; asst. path. and physiology, U. S. Dept. Agr., 1892-7; physiologist in chg. plant-breeding lab., 1897-1907; prof. plant-breeding, Cornell Univ., 1907-13; acting dir. Coll. Agr., 1910-1; dean Grad. Sch. Trop. Agr. and dir. Citrus Exp. Sta., Univ. Calif., 1913-9; dir. Calif. Agr. Exp. Sta., 1919-20; present position, 1920–. Fellow A. A. A. S., Amer. Bot. Soc. Chm. plant sect., Amer. Breeders Assoc., 1906-10; pres. Calif. Avocado Assoc., 1916; pres. Citrus Inst. of Nat. Orange Show, 1919-20. Del. to Intern. Conference on Hybridization, London, 1899. (Plant-breeding, seed production). —*b.* Lawton, Mich., Dec. 27, 1865; *s.* John Milton and Rebecca Ann (Bradt) W.; reared on farm; *m.* Lucena Anna Hardin, Sept. 8, 1890; *c.* Eugene Frances, Feronia Ella, Herbert Earl, John Milton. B.Sc., Univ. Neb., 1889; M.A., 1900; Ph.D., Washington Univ., 1900; D.Agr., Univ. Neb., 1913. Sigma Xi; Alpha Zeta.

Webber, Mabel Roena, home dem. agt., McCook, Neb.

Dietitian, Green Gables Sanitarium, Lincoln, Neb., summer, 1917.—*b.* St. Francis, Kans., Aug. 20, 1893; *d.* Joseph F. and Louisa (Glahn) W.; reared on farm. B.Sc., Univ. Neb., 1917. Omicron Nu.

Weber, George Grover, co. agrl. agt., York, Pa.

Princ. high-sch., Snow Shoe, Pa., 1912-4; co. agt., 1917–.—*b.* Helvetia, Pa., Mar. 28, 1889; *s.* Lewis B. and Susannah (Haag) W.; reared on farm. B.S., Penn. State Coll., 1917. Alpha Zeta; Phi Kappa Phi.

Webster, Edwin Harrison, dairy farmer and breeder, El Centro, Calif.

Asst. dairying, Kans. State Agr. Coll., 1901-2; asst. prof., 1902-3; field expert, Dairy Div., U. S. Dept. Agr., 1903; chief Dairy Div., 1905-9; dean and dir. Kans. State Agr. Coll. and Exp. Sta., 1909-13; asst. gen. manag., Calif. Central Creameries, 1915-9. *Assoc. ed.*, Hoard's Dairyman, 1914-5.—*b.* Yates Center, Kans., Feb. 25, 1871; *s.* Rufus D. and Harriet Elizabeth (Edwards) W.; reared on farm; *m.* Florence Eleanor Fryhofer, Apr. 10, 1901; *c.* Wilma. B.S., Kans. State Agr. Coll., 1896; B.S.A., Ia. State Coll., 1901; M.S.A., Kans. State Agr. Coll., 1901.

Webster, Samuel C. Jr., teach. agr., 908 Berkeley Ave., Trenton, N. J.

b. Philadelphia, Pa., Aug. 11, 1888; *s.* Samuel and Hannah (Henderson) W.; reared on farm; *m.* Annie Kenyon; *c.* Mildred Eleanor. B.S., R. I. State Coll., 1912. Theta Chi.

Weed, Howard Evarts, lands. arch. and nurseryman, Beaverton, Ore.

Ent., Miss. Exp. Sta., 1890-7; agrl. agt., Central of Ga. Ry., 1897-1902; lands. arch., N. Y. and Chicago, 1902-11; Ore., 1912–. *Auth.*: Spraying for Profit, 1899; Modern Park Cemeteries, 1912. (Peonies, Iris).—*b.* Lansing, Mich., May 7, 1870; *s.* J. E. and Sarah (Moores) W.; reared in town; *m.* Margaret Simpson; *c.* Wilbur W., Edith, Thurlow. B.S., Mich. Agr. Coll., 1889; M.S., 1890.

Weeks, Charles Rozell, supt. Fort Hays Exp. Sta., Hays, Kans.

Supt. schs., Fairmont, Neb., 1907-9; prof. agr., State Normal Sch., Peru, 1909-12; prof. agr., dir. ext. and farm insp., Winthrop Normal and Ind. Coll., Rock Hill, S. C., 1912-6; present position, 1916–. *Auth.*: Hand Book on Alfalfa, 1913. (Farm manag.).—*b.* York, Wis., Aug. 15, 1878; *s.* Chas. Egbert and Martha A. (Poe) W.; reared on farm; *m.* Lelia Mae Avery, Aug. 15, 1907; *c.* Clarissa Jane, Hubert Avery, Chas. Poe. B.Sc., Univ. Neb., 1907; A.B. in Ed., Peru State Normal, 1912. Kappa Sigma; Acacia.

Weeks, David P. Jr., asst. prof. agrl. engin., Ia. State Coll., Ames, Ia.

Invest. work for Neb. State Bd. Irrig., Highways and Drainage, 1912-6; present position, 1916–.—*b.* Aurora, Neb., Sept. 22, 1890; *s.* David P. and Ida May (Loveland) W.; reared in country; *m.* M. Hazel McClean, Aug. 31, 1916; *c.* David Loveland. B.Sc., Univ. Neb., 1915; M.S., Ia. State Coll., 1919. Sigma Xi; Sigma Tau; Alpha Zeta.

Weems, Julius Buel, chief chem., Dept. Agr., Richmond, Va.

Prof. agrl. chem. and chem. Exp. Sta., Ia. State Coll., 1895-1904; farmer, 1904-15; present position, 1915–. (Agrl. chem. and educ.).—*b.* Baltimore, Md., Aug. 27, 1865; *s.* Edwin Dawson and Rosetta L. (Norman) W.; reared in town and on farm; *m.* Lila C. Fletcher, June 26, 1895; *c.* Rachel F., G. Macduff, Carolyn V., Julius B. Jr. B.S., Md. State Coll., 1888; Ph.D., Clark Univ., Worcester, Mass., 1894.

Weigley, Mildred, prof. and chief div. home econ., Univ. Minn., University Farm, St. Paul, Minn.

Superv. home econ., public schs., Joliet, Ill., 1906-9; instr. home econ., DeKalb Township High-Sch., 1909-13; head home econ. dept., Northern Ill. State Normal Sch., DeKalb, 1913-5; instr. home econ., Univ. Minn., 1915-7; asst. prof. and acting chief dept., 1917-8; prof. and chief, 1918–. Home econ. dir., Minn. Fed. Food Adminis., 1917; acting chm. Woman's Com., Council Nat. Defense, 1917-8; chm., 1918. *Auth.*: (with Forster) Foods and Sanitation, 1914.—*b.* Chicago, Ill., June 1, 1887; *d.* Frank S. and Emily (Card) W.; reared in city. Student Univ. Chicago, 1904-6, 1916-7.

Weimer, James LeRoy, asst. path., Bur. Plant Ind., U.. S Dept. Agr., Washington, D. C.

Fellow, Cornell Univ., 1912-3; asst. plant path., 1913-4; instr., 1914-6; asst. bot., Purdue Exp. Sta., 1916-7; present position, 1917–.—*b.* Avilla, Ind., July 12, 1887; *s.* Samuel and Susanna Lydie (Simon) W.; reared on farm; *m.* Hortense A. Williams, May 17, 1913; *c.* Robt. LeRoy. A.B., Wabash Coll., 1912; Ph.D., Cornell Univ., 1916.

Weinstock, Harris, merchant, 19 Presidio Place, San Francisco, Calif.

Engaged in business, San Francisco, 1872-6; Sacramento, with David Lubin, 1874; vice-pres. Weinstock, Lubin & Co., 1888–. Mem. Calif. State Bd. Hort., 1895; special labor comnr. appointed by Gov. Gillett, 1908; appointed by Gov. Johnson to invest. I. W. W., 1912; appointed mem. Amer. comn. to invest. European system of rural credits, 1913; appointed by Pres. Wilson mem. Ind. Relations Comn., 1913; appointed by Gov. Johnson, mem. Calif. Ind. Accident Comn., 1913; appointed by Gov. Johnson state market dir. for Calif. Mem. exec. bd., Nat. Civic Fed.; vice-pres. Jewish Publication Soc. of Amer. *Auth.*: Jesus, the Jew, 1902; Strikes and Lockouts, 1909.—*b.* London, England, Sept. 18, 1854; *s.* Solomon and Rachel W.; *m.* Barbara Fesenthal, Feb. 24, 1878.

Weir, James Robert, for. path., U. S. Dept. Agr., in chg. Lab. For. Path., Spokane, Wash.

Asst. for. expert, U. S. For. Serv., 1903-4; chief and dir. sci. laboratories, Culver Military Acad., 1907-9; formerly officer in chg. white pine blister rust eradication, Dak., Mont., Ida., Wyo. Traveled and studied in Europe 4 yrs. (Mycology, plant path., parasitic phanerogams).—*b.* Scottsburg, Ind., May 31, 1882; *s.* Benj. Franklin and Barbara Ann (Hartley) W.; reared on farm; *m.* Florence Lelia Keach, Sept. 2, 1911. A.B., Univ. Ind., 1907; Ph.D., Univ. Munich, 1911. Sigma Nu.

Weir, Walter Wallace, asst. prof. soil tech., Univ. Calif., Berkeley, Calif.

Sr. drainage engin., U. S. Dept. Agr., 1907-17; present position, 1914–. (Drainage engin.).—*b.* Vacaville, Calif., Oct. 16, 1882; *s.* Jas. C. and Janetta (Nicholl) W.; reared on farm; *m.* May Ruth Beach, Jan. 20, 1914 (d. 1919); *c.* W. W. Jr. Student, Univ. Calif.

Weir, Wilbert W., asst. prof. soils, Univ. Wis., Madison, Wis.

Auth.: (with Shutts) Agricultural Arithmetic, 1916.—*b.* Vernon, Wis., June 24, 1882; *s.* Jas. D. and Mary (Krause) W.; reared on farm; *m.* Marybelle R. Jacobs, June 28, 1910; *c.* Emily Beatrice. B.S., Univ. Wis., 1908; M.S., 1917. Alpha Zeta.

Welch, Roscoe Richard, in chg. dairy husb. ext., Penn. State Coll., State College, Pa.

Manag. U. S. Dairy Div. farm, Beltsville, Md., 2 yrs.; with U. S. Dairy Div., 11 yrs. —*b.* Covington Co., Miss., June 22, 1882; *s.* T. R. W.; reared on farm; *m.* Mary V. Giger, July 30, 1913; *c.* Wm. Lee, Tim Houston. B. S., Miss. A. & M. Coll., 1906; M. S., 1907.

Weld, Robert James, farmer, Sugar Grove, Pa.

Asst. to dir., Penn. Exp. Sta., 1893-6. Mem. Pa. State Bd. Agr., 1895–. Farmers inst. lect., 1900-15; movable sch. worker, 3 yrs.; pres. Warren Co. Farm Bur.; pres. Warren Co. Fed. Dairymens League. (Guernsey cattle).—*b.* Sugar Grove, Pa., Oct. 27, 1868; *s.* Wm. and Christina S. (Falconer) W.; reared on farm; *m.* Fannie Wright, June 5, 1902; *c.* Robt. A. Student Penn. State Coll.

Weldon, George Percival, pom., Chaffey Jr. Coll. Agr., Ontario, Calif.

Deputy state ent., Md. Agr. Coll., 1906-7; field ent., Colo. Agr. Coll., Delta, 1907-8; Grand Junction, 1909-11; deputy state ent., Colo. Exp. Sta., 1911-3; chief deputy state comnr. hort., Calif., 1913-8; present position, 1918–. Pres. Pacific Slope Branch, Amer. Assoc. Econ. Ent., 1917-8. *Auth.*: Apple Growing in California, 1914; Pear Growing in California, 1918. Contributing hort. ed., Orchard and Farm.—*b.* Loveland, Colo., Feb. 15, 1880; *s.* Geo. and Sarah (Samuels) W.; reared on farm; *m.* Velma B. Appleman, Sept. 1908; *c.* Margaret Sarah, Hubert Percival, Geo. Howard. B.S., Colo. Agr. Coll., 1906; M.S., 1915.

Welles, Winthrop Selden, prof. voc. agrl. teaching, Mass. Agr. Coll., Amherst, Mass.

Rural sch. teach., 2 yrs.; princ. grade sch., 2 yrs.; princ. high-sch., 1 yr.; supt. city schs., 5 yrs.; head biol. dept., Normal Sch., River Falls, Wis., 5 yrs.; dir. Sch. Educ. Agr., 7 yrs.; state superv. voc. agrl. instr. for Wis., 2 yrs.; present position, 1919–.—*b.* Penfield, Ill., Jan. 1, 1875; *s.* Joseph H. and Sarah Ann (Jones) W.; reared on farm; *m.* Anna Gertrude Hisel, Sept. 2, 1897; *c.* Barbara. Grad. State Normal Univ. Ill., 1897; B.S., Univ. Ill., 1901.

Wellington, Richard, assoc. in research in hort., N. Y. Agr. Exp. Sta., Geneva, N. Y.

Pom., N. Y. Agr. Exp. Sta., Geneva, 1906-13; asst. prof. pom. and pom. Exp. Sta., Univ. Minn., 1913-9; prof. veg. gard., Md. State Coll., and veg. breeder, Exp. Sta., 1919-20; present position, 1920–.—*b.* Waltham, Mass., Oct. 10, 1884; *s.* Edward and Mary (Worcester) W.; reared on farm; *m.* Minerva Collins, Oct. 10, 1912; *c.* Mary Elizabeth, John Clark. B.S., Mass. Agr. Coll., 1906; M.Sc., Harvard Univ., 1911.

Wellman, Harry E., farmer, Kendall, N.Y.

Pres. Kendall Cold Storage Co., Inc.; pres. Orleans Co. Fruit Growers Assoc., 10 yrs.; pres. N. Y. State Hort. Soc.—*b.* Kendall, N. Y., May 2, 1865; *s.* Irving E. and Jane E. (Elwell) W.; reared on farm; *m.* Carrie B. Townsend, Dec. 30, 1886; *c.* Blanche M., Anna R. Brockport State Normal, 3 yrs.

Wells, Edward Lansing, meteorologist, U. S. Weather Bur., Portland, Ore.

With U. S. Weather Bur., Huron, S. D., 1896-7; Cairo, Ill., 1898; Boise, Ida., 1899-1917; Portland, 1918–.—*b.* Indian Ford, Wis., Sept. 11, 1875; *s.* Harrison Curtis and Zipporah Elizabeth (Burduck) W.; reared on farm; *m.* Laura Alice Long, Jan. 25, 1899; *c.* Mildred Estelle, Mary Salome, Alice Belle, Edward Curtis, Margaret Laura.

Wells, George Frederick, minister and writer, Purchase, N. Y.

Pastor Federated Churches, Lincoln, Vt., 1907-8; research sec. Vt. Interdenominational Comity Comn., 1908-10; asst. dept. Christian sociol., Drew Theol. Sem., in chg. Bur. Field Work in N. Y. City, 1910-2; research and asst. sec., Fed. Council of Churches of Christ in Amer., 1910-3; dir. community recreations, Tyringham, Mass., 1913; pastor Federated Churches, Tyringham, 1913-6; chm. country church sect. Methodist Fed. for Social Serv., 1910-5; pastor Methodist Episcopal Church, Poughquag, N. Y., 1917-8; Purchase 1919–. *Ed.*, country church dept., The Expositor, Cleveland, O., 1910-5. —*b.* Bakersfield, Vt., Mar. 13, 1878; *s.* Lucian Lemuel and Katherine Elizabeth (Learned) W.; reared on farm; *m.* Lucy Landon Allen, Feb. 22, 1910; *c.* Horace Dewey, Lucian Allen. B.S., Univ. Vt., 1903; B.D., Drew Theol. Sem., 1908.

Wells, Howard N., co. agrl. agt., Claremont, N. H.

In manufacturing business, office specialties, 1900-14. Sec. to Senator G. H. Witter, 1910; agt. Sullivan Co., N.H., 1914–. *Assoc. ed.*, New England Homestead.—*b.* Pike, N. Y., Dec. 24, 1879; *s.* Julian L. and Theresa (Shuknecht) W.; reared on farm; *m.* Marie S. Knowlton, June 25, 1913. Student Cornell Univ.

Wells, Oscar Benton, clergyman, Craftsbury, Vt.

(Rural church).—*b.* Bakersfield, Vt., Oct. 29, 1874; *s.* Lucian L. and Lucia I. (Learned) W.; reared on farm; *m.* Lydia M. Barnes, Dec. 25, 1901; *c.* Dorris Evelyn. Student Boston Univ. Sch. Theol.

Wells, Ralph, co. agrl. agt., Monmouth, Ill.

Instr. agr., soil physics and fert., agron., Mont. State Coll., 1912-3; farmer, 1913-8; present position, 1918–. Vice-pres. Marshall Co. Livestock Assoc.; sec. Marshall Co. Farmers Inst. (Livestock).—*b.* Wenona, Ill., Nov. 15, 1889; *s.* Daniel and Martha (Foster) W.; reared on farm. B.S.A., Univ. Ill., 1912.

Welsh, Frederic S., agrst. and supt. stock yards of N. Y. Central Lines, 2607 Grand Central Terminal, New York, N. Y.

With U. S. Bur. Soils, 1909-11; present position, 1911–; dairy farmer, Westchester Co., N. Y., 1915-7.—*b.* Dugdale, Pa., Oct. 3, 1886; *s.* Judson and Alma (Sager) W.; reared in town and country; *m.* Alice Reed, Oct. 17, 1911; *c.* F. S. Jr., John Reed. A.B., LaFayette Coll., Easton, Pa., 1907; B.S.A., Penn. State Coll., 1909. Phi Delta Theta.

Welty, Donald Carlisle, farmer and comnr. agr., Mo. Pacific Ry., 224 Gazette Bldg., Little Rock, Ark.

Stockman, Brookline Stock Farm, Aurora, Ill., 1908; fruit-grower and stockman, Mont., 1910-3; Jersey cattle breeder and comnr. agr., Mo. Pacific Ry., 1913–. Pres. Ark. Jersey Cattle Assoc.; sec.-treas. Ry. Development Assoc.; mem. exec. com., Ark. div. Amer. Cotton Assoc.; on bd. governors, Nat. Sheep and Wool Bur., Chicago.—*b.* United, Pa., July 8, 1888; *s.* Duncan O. and Margaret (Gallaher) W.; reared on farm and in city; *m.* Vie Bledsoe; *c.* Laura, Elizabeth, Donald Jr. Student Ia. State Coll., 1907-9. Sigma Alpha Epsilon.

Wendt, John M., co. agrl. agt., Centreville, Mich.

Teach. agr., high-sch., Union City, Mich., 1913-4; dairy farmer, 1914.—*b.* Mich., July 18, 1888; *s.* Martin F. and Elizabeth (Gombert) W.; reared on farm; *m.* Laura L. Browne, Oct. 4, 1915; *c.* John M. Jr. B.S., Mich. Agr. Coll., 1913.

Wentling, John Philip, assoc. prof. for., Univ. Minn., University Farm, St. Paul, Minn.

Prof. for., Pa. State For. Acad., 1906-

8; asst. prof. for., Univ. Minn., 1908-13; assoc. prof., 1913–. *Auth.*: (with Cheyney) The Farm Woodlot, 1914. (Wood tech. and utilization).—*b.* Knox, Pa., Feb. 2, 1878; *s.* Eli and Christina (Barlelt) W.; reared on farm; *m.* Lucy Evelyn Price, Dec. 27, 1906; *c.* Margaret Evelyn, John P. Jr. A.B., Franklin and Marshall Coll., Lancaster, Pa., 1902; A.M., 1904; grad. student, Yale Univ., 1905-6. Sigma Xi; Phi Sigma Kappa.

Wentworth, Edward Norris, publicity dept., Armour and Co., Chicago, Ill.

Asst. and assoc. prof. an. husb., Ia. State Coll., 1907-13; assoc. ed. Breeders' Gazette, 1913-4; prof. an. breeding, Kans. State Agr. Coll., 1914-7; staff Breeders' Gazette, Sept.-Nov. 1919; present position, 1919–. Capt. and Operation Officer, Field Artillery, U. S. Army, 1917-9; asst. dir. Coll. Agr. and prof. an. husb., A.E.F. Univ., Beaune, France, 1919. Fellow A. A. A. S., Ia. Acad. Sci., Kans. Acad. Sci. Awarded Officier du Merite Agricole by French govt.—*b.* Dover, N. H., Jan. 11, 1887; *s.* Elmer Marston and Elizabeth Tilton (Towne) W.; reared in country town; *m.* Alma B. McCulla, June 14, 1911; *c.* Edward N. Jr. B.S.A., Ia. State Coll., 1907; M.S., 1909. Sigma Alpha Epsilon; Alpha Zeta; Phi Kappa Phi; Sigma Delta Chi.

Wentz, John Budd, prof. agron., Md. State Coll., College Park, Md.

Teach. agr., State Normal Sch., Spearfish, S. D., 1913-4; in U. S. Dept. Agr., Off. Western Irrig., 1914-5; asst. farm crops, Cornell Univ., 1915-6; present position, 1916–. (Crop breeding).—*b.* Chariton, Ia., Mar. 4, 1891; *s.* John A. and Harriet E. (Taylor) W.; reared on farm; *m.* Hazel Edna Patterson, Sept. 22, 1915; *c.* 1 son. B.S.A., N. D. Agr. Coll., 1913; M.S.A., Cornell Univ., 1916. Alpha Zeta; Phi Kappa Phi.

Werner, Harvey O., assoc. hort., Univ. Neb., Lincoln, Neb.

Asst. hort. in chg., N. D. Agr. Coll., 1913-8; present position, 1918–. Sec.-treas. Neb. Potato Improvement Assoc. (Potato culture)..—*b* Wernersville, Pa., Oct. 21, 1893; *s.* John Adam and Katherine Agnes (Knoll) W.; reared on farm; *m.* Elsie H. Ernst, June 27, 1915; *c.* Eunice Mildred, Kathryn Elisabeth, John Herman. B.S., Penn. State Coll., 1913. Phi Kappa Phi; Gamma Sigma Delta.

Werner, John C., head dept. rural educ. and teach. training, State Normal Sch., Albion, Ida.

Teach. rural schs., Ind., 3 yrs.; princ. high-sch., Perry Twp., Ind., 1899-1904; co. supt., Fulton Co., 1906-11; pres. Rochester Normal, 1911-2; head home study dept., Kans. State Agr. Coll., 1913-5; present position, 1915–. Inst. lect.—*b.* Ind., Oct. 28, 1874; *s.* Geo. and Leah (Chrites) W.; reared on farm; *m.* Sadie Sausaman, Sept. 9, 1903; *c.* Richard Stanley, Robt. Donovan, Helen Kathryn. A.B., Ind. Univ., 1905; A.M., Univ. Chicago, 1913. Phi Delta Kappa.

Wessels, Philip Henry, assoc. chem., R. I. Exp. Sta., Kingston, R. I.

Asst. chem., R. I. Exp. Sta., 1905-9; assoc. chem., 1912–; fellow Univ. Wis., 1910-2. Lect., R. I. State Grange, 1917–. (Feed and fertilizer insp.).—*b.* Flint, Mich., Mar. 16, 1880; *s.* Jacob and Minnie (Englishman) W.; reared in town; *m.* Grace Felker, Nov. 6, 1912. B.S., Mich. Agr. Coll., 1905; M.S., Univ. Wis., 1910. Alpha Zeta; Phi Kappa Phi.

West, Calvin Parker, co. agrl. agt., Hayward, Wis.

b. Merrill, Wis., Jan. 24, 1891; *s.* Louis P. and Hattie (Parker) W.; reared on farm; *m.* Luella Alice Post; *c.* Calvin P. Jr. B.S.A., Univ. Wis., 1913.

West, Elizabeth Howard, state librarian, Tex. State Library, Austin, Tex.

Teach. public schs., Brandon, Miss., 1893-4; Steen's Creek, Miss., 1894-5; Bryan, Tex., 1895-9, 1901-3; Whitis Ave. Sch., Austin, Tex., 1903-6; asst. manuscripts div., Library of Congress, 1906-11; archivist, Tex. State Library, 1911-5; librarian, Carnegie Public Library, San Antonio, 1915-8; present position, 1918–. Regional dir. Enlarged Program Amer. Library Assoc., 1920, and Tex. State chm. Library War Service Campaign, 1917; exec. sec. on United War Work State Campaign staff, 1918; pres. Tex. Library Assoc.,

1914-6. *Auth.*: Calendar of the Papers of Martin Van Buren, 1910; Calendar of the Papers of Mirabeau Buonaparte Lamar, 1914. (Rural library development).—*b.* Pontotoc, Miss., Mar. 27, 1873; *d.* Jas. Durham and Mary (Waddel) W.; reared in town and country. B.A., Ind. Inst. and Coll., Miss., 1892; M.A., Univ. Tex., 1901. Phi Beta Kappa.

West, Ernest Holley, fruit-grower, Dorset, Vt.

Vice-pres. Norcross-West Marble Co.; pres. Bennington Marble Co.; treas. Danby Marble Co. Mem. Vt. State Fair Comn.; pres. Vt. Hort. Soc.—*b.* Dorset, Vt., May 21, 1874; *s.* Spafford and Augusta (Holley) W.; reared in country; *m.* Bessie Chambers, Sept. 20, 1905; *c.* Elizabeth, Helen, Geo. B.S. in C.E., Univ. Vt., 1896. Lambda Iota.

West, Franklin Lorenzo Richards, dir. Sch. General Sci. and prof. physics, Utah Agr. Coll., and meteorologist Exp. Sta., Logan, Utah.

(Frost, soil moisture). —*b.* Ogden, Utah, Feb. 1, 1885; *s.* Joseph Alva and Josephine (Richards) W.; reared in city; *m.* Gladys Spencer, Aug. 19, 1904; 2d, Violet Madson, Feb. 12, 1920; *c.* Virginia Gladys, Marjorie. B.S., Utah Agr. Coll., 1904; Ph.D., Univ. Chicago, 1911. Sigma Xi.

West, James Thomas, assoc. prof. agron., Miss. A.&M. Coll., Agricultural College, Miss.

Asst. prof. agron., Miss. A.&M. Coll., 1913-5; assoc. prof., 1915–; co. dem. work, Oktibbeha Co., Miss., 1918.—*b.* Waynesboro, Miss., Feb. 15, 1889; *s.* John I. and Nancy C. (Davis) W.; reared on farm; *m.* Louise Marshall, Dec. 27, 1917. B.S.A., Miss. A.&M. Coll., 1912; M.S.A., 1918.

West, Ray Benedict, dir. agrl. engin. and mech. arts, Utah Agr. Coll., Logan, Utah.

b. Ogden, Utah, Oct. 21, 1882; *s.* Joseph A. and Josephine (Richards) W.; reared in city; *m.* Mary A. Morrell, Sept. 20, 1905; *c.* Ray B. Jr., Alan Morrell, Philip Leon, Willard Joseph. B.S., Utah Agr. Coll., 1904; C.E., Cornell Univ., 1906.

West, Rodney Mott, sec. dept. agr., Univ. Minn., University Farm, St. Paul, Minn.

Instr. agrl. chem., Univ. Minn., 1909; asst. prof., 1910-6; present position, 1916–.—*b.* Faribault, Minn., July 27, 1884; *s.* Willis Mason and Millie (Mott) W.; reared in small town; *m.* Edna L. Greaves, 1907; *c.* Miriam, Mary Mott. B.A., Univ. Minn., 1906. Sigma Xi; Alpha Chi Sigma.

Wester, Peter Johnson, agrl. adv., Bur. Agr., Lamas Exp. Sta., Limay, Bataan, Philippine Isls.

Special agt., Subtrop. Lab. and Garden, Miami, Fla., 1904-6; gardener, 1907-9; in chg., 1909-10; hort., Bur. Agr., Philippines, 1910-2; chg. Lamao Exp. Sta., 1912-7; agrl. adv. dept., Mindanao-Sulu, 1918; present position, 1919–. Contributing ed., Philippine Agricultural Review. Traveled in Java and Malaya, 1915.—*b.* Arra, Sweden, Sept. 23, 1877 (naturalized 1904); *s.* Johnson J. and Anna Christina (Mickelson) W.; reared on farm; *m.* Anna Augusta Anderson, Jan. 1, 1905; *c.* Robt. Emerson, Horace Volney, Anna Elizabeth, Ruth Theresia. Grad. Gefleborgs Lans Folkhogskola, 1895.

Westgate, John Minton, agron. in chg. Hawaii Agr. Exp. Sta., Honolulu, H. I.

Asst. bot., Kans. State Agr. Coll., 1899-1901; sci. asst. in sand-binding work, U. S. Dept. Agr., 1903-5; chg. alfalfa and clover invests., 1905-11; chg. clover invests., 1911-4; present position, 1915–. Fellow A.A.A.S., Royal Soc. Arts. (Trop agr., forage crops).—*b.* Kingston, N. Y., Feb. 17, 1878; *s.* Hollis Smith and Clara (Minton) W.; reared on farm; *m.* Inez Wheeler, July 20, 1905; *c.* Philip John, Mark Wheeler. B.S., Kans. State Agr. Coll., 1897; M.S., 1899; grad. student Univ. Chicago, 1901-3. Phi Kappa Phi.

Weston, James Wade, asst. co. agt. leader, Mich. Agr. Coll., Court House, Marquette, Mich.

Potato specialist, Mich. Agr. Coll., 1914-6; present position, 1916–.—*b.* Leroy, Mich., Nov. 27, 1887; *s.* Theodore and Mina E. (Wade) W.; reared on farm; *m.* Helen T. Philleo, June 17, 1916; *c.* Jas. W. Jr., Edmond T., Mary E. B.S., Mich. Agr. Coll., 1914.

Weston, William Henry Jr., path. cereal invests., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Instr. bot., Western Reserve Univ., 1915-6; asst. bot., Biol. Lab., Woods Hole, Mass., summers 1915-6; path. insp., Fed. Hort. Bd., 1916-7; present position, 1917–. Traveled in Hawaii, Guam and Philippines studying diseases of corn and sugar-cane, 1917-20. (Downy mildews, aquatic fungi).—*b.* New York, N. Y., Jan. 24, 1890; *s.* Wm. H. and Frances (Pope) W.; reared in city; *m.* Lora Standish, 1916. A.B., Dartmouth Coll., 1911; M.A., Harvard Univ., 1912; Ph.D., 1915.

Westover, Harvey Leroy, agron., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

(Alfalfa).—*b.* Austerlitz, N. Y., June 4, 1879; *s.* Seymour and Annie (Gott) W.; reared on farm. B.S.A., Cornell Univ., 1906.

Wettyen, Harold E., co. agrl. agt., Court House, Paterson, N. J.

b. Cedar Grove, N. J., Jan. 5, 1895; *s.* Ehler O. and Ella O. (Jacobus) W.; reared on farm; *m.* Grace D. Johnson, Aug. 27, 1917. B.S.A., Rutgers Coll., 1917. Phi Gamma Delta.

Whatley, Lizzie A. F., home dem. agt., Carrollton, Ga.

b. Roopville, Ga., Dec. 18, 1887; *d.* John M. and Sarah A. (Roop) Fields; reared on farm; *m.* V. D. Whatley, 1898; *c.* Annice, Vachel, John, Render, Fields. Student Bowdon Coll.

Wheat, Seth Truman, teach. agr., high-sch., and co. leader boys' and girls' clubs, Salem, N. J.

Instr. T. N. Vail Agrl. Sch., 1½ yrs. —*b.* Naples, N. Y., Oct. 31, 1891; *s.* Melmoth and Nellie (Wilbur) W.; reared on farm; *m.* Lucy C. Bolster, Jan. 30, 1915; *c.* Jean Gwendolyn, Richard Bolster. B.S., Cornell Univ., 1915. Kappa Delta Rho.

Wheaton, Ralph Roe, co. agrl. agt., Alma, Wis.

Asst. agrl. ext. agt., N. Pacific R. R., 1 yr. Sec. Buffalo Co. Live Stock Breeders Assoc. In U. S. Navy, 1917-8. (Stock breeder).—*b.* Caledonia, Minn., Mar. 9, 1890; *s.* Samuel Nelson and Annie Maria (Houghton) W.; reared on farm; *m.* Edna Marie McLaughlin, Jan. 5, 1919. Student Hamline Univ., Univ. Minn. Acacia.

Wheeler, Clark Sanford, dir. agrl. ext., Ohio State Univ., Columbus, O.

Asst. agrl. ext., Ohio State Univ., 1912-4; superv. ext. schs., 1914-5; dir. agrl. ext., 1915–.—*b.* Paulding, O., Jan. 14, 1890; *s.* Wm. J. and Nettie (Clark) W.; reared in country; *m.* Coral M. Schovill, Aug. 6, 1913; *c.* Virginia Mary, Doris Ellen. B.S.A., Ohio State Univ., 1912. Alpha Zeta.

Wheeler, George C., ed. Kansas Farmer, Topeka, Kans.

Asst. live-stock, Kans. State Agr. Coll., 1902-4; asst. in feeding expts., 1904-5; instr. an. husb., 1904-6; asst. prof., 1906-9; ext. specialist an. husb., 1909-13; assoc. ed. Kansas Farmer, 1913-5; ed., 1915–.—*b.* Burlington, Kans., Feb. 1, 1872; *s.* Geo. J. and Julia (Carpenter) W.; reared on farm; *m.* K. Myrtle Smith, 1898; *c.* Ruth, Geo. S., Helen, Frances. B.S., Kans. State Agr. Coll., 1895. Alpha Zeta; Phi Kappa Phi; Sigma Delta Chi.

Wheeler, Homer J., manag. Agrl. Serv. Bur., The Amer. Agrl. Chem. Co., 92 State St., Boston, Mass.

Asst. chem., Mass. Exp. Sta., 1883-7; chief chem., R. I. Exp. Sta., 1889-1907; prof. geol., R. I. State Coll., 1891-1912; prof. agrl. chem., 1902-10; acting pres., 1902-3; dir. R. I. Exp. Sta., 1900-12; present position, 1912–. Ex-pres. Assoc. of Official Agrl. Chem.; Amer. Soc. Agron. Traveled in Europe. *Auth.*: Manures and Fertilizers, 1913. (Agron., agrl. chem.).—*b.* Bolton, Mass., Sept. 2, 1861; *s.* Jesse B. and Martha Ann (Sykes) W.; reared on farm; *m.* Frieda H. F. Ruprecht, May 15, 1891; *c.* Carl Otto, Wm. Edwin, Roland Arthur. B.Sc., Mass. Agr. Coll. and Boston Univ., 1883; M.A., Ph.D., Univ. Goettingen, Germany, 1899; M.Sc., Brown Univ., 1911. Alpha Sigma Phi.

Wheeler, John Taylor, prof. agrl. educ., Univ. Ga., Athens, Ga.

Princ. and teach. sci. and agr., consolidated rural high-sch., Osceola, Pa., 1910-1; instr., State Normal Sch., Mansfield, Pa., 1913-5; asst. prof. hort.,

Mass. Agr. Coll., 1916-8; present position, 1918-.—*b.* Ridgeberry, Pa., Jan. 15, 1886; *s.* M. B. and Florence (Stratton) W.; reared on farm; *m.* Belle Evelyn Grigson, Aug. 24, 1916. B.S.A., Univ. Wis., 1916.

Wheeler, Ralph Hicks, prof. ext. teach., Cornell Univ., Ithaca, N. Y.

Asst. instr. ext teach., Cornell Univ., 1909-10; instr., 1910-2; asst. prof., 1912-7; prof., 1917-. Dir. Ont. Co. Agrl. Soc., 3 yrs.—*b.* E. Bloomfield, N. Y., Sept. 11, 1883; *s.* Geo. A. and Mary Belle (Hicks) W.; reared on farm; *m.* Jessie Elizabeth Hart, Aug. 19, 1909; *c.* Elizabeth Cornell, Kenneth Eugene, Ralph H. Jr. B.S., Cornell Univ., 1912. Alpha Gamma Rho.

Wheeler, Wilfrid, farmer and treas. Coonamessett Ranch Co., Hatchville, Mass.

Formerly comnr. of agr. for Mass.—*b.* Concord, Mass., Sept. 8, 1876; *s.* Geo. F. and Alice (Rattray) W.; reared on farm; *m.* Emily H. Lillie, Sept. 8, 1898; *c.* Wilfrid Jr., Chas. Lincoln, Richard Parkman. Studied Brown Univ., Harvard Univ. Zeta Psi.

Wheeler, William Archie, specialist in seed marketing, in chg. div. seed, hay and feed marketing, Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Instr. bot., Univ. Minn., 1900-3; prof. bot., S. D. State Coll., 1903-7. Rep. U. S. Dept. Agr. to Europe to invest. seed market, 1918-9. *Manag. ed.*, The Market Reporter.—*b.* Stockton, Minn., June 28, 1876; *s.* Chas Adams and Sylvia Maria (Allen) W.; reared in country and city; *m.* Harriet Maria Alden, June 3, 1901; *c.* Harold Alden, Helen May, Margaret, Catherine, Harriet. B.Agr., Univ. Minn., 1900; M.S., 1901. Sigma Xi.

Whelan, Don Bion, ext. ent., Mich. Agr. Coll., E. Lansing, Mich.

Teach. sci. and athletics, St. Johns, Mich., 1910-1; hist and athletics, Hudson, 1911-2; grad. asst., Ohio State Univ., 1914-5; present position, 1915-. Pres. Ingham Co. Beekeepers Assoc.—*b.* Hillsdale, Mich., Nov. 25, 1887; *s.* Bion J. and Minnie L. (Allen) W.; reared in small city; *m.* Ellis Berridge, Aug. 7, 1917. A.B., Hillsdale Coll., 1910; M.S., Kans. State Agr. Coll., 1914. Delta Tau Delta; Phi Sigma.

Whelpton, Pascal Kidder, prof. farm manag., Tex. A.&M. Coll., College Station, Tex.

Asst. farm manag. dem., Conn. Agr. Coll., 1915; instr. agr., high-sch., Greene, N. Y., 1915-6; asst. farm manag. dem., U. S. Dept. Agr., 1916-9; farm manag. dem., Univ. Neb., 1919-20; present position, 1920-.—*b.* N. Y., Feb. 22, 1893; *s.* Geo. and Edith (Kidder) W.; *m.* Lorene Parker, Aug. 22, 1919. B.S., Cornell Univ., 1915. Kappa Delta Rho; Gamma Sigma Delta.

Whetzel, Herbert Hice, prof. plant path., Cornell Univ., Ithaca, N. Y.

Asst. bot., Cornell Univ. Exp. Sta., 1902-5; asst. prof. bot., Cornell Univ., 1905-6; asst. prof. plant path., 1906-9; prof., 1909-. Pres. Amer. Phytopath. Soc., 1915; chm. War Emergency Bd. of Amer. Plant Path., 1918. *Auth.*: (with Hesler, Gregory, Rankin), Laboratory Outlines in Plant Pathology, 1916; (with Hesler) Manual of Fruit Diseases, 1917; Outlines of the History of Plant Pathology, 1918.—*b.* near Avilla, Ind., Sept. 5, 1877; *s.* Joseph C. and Gertrude (Eckels) W.; reared on farm; *m.* Lucy E. Baker, 1904; 2d, Bertha A. Baker, 1914; *c.* Lucy G., Joseph C. Jr. A.B., Wabash Coll., 1902; M.A., 1906. Phi Beta Kappa; Sigma Xi; Phi Delta Theta; Gamma Alpha.

Whipple, Orville B., prof. hort. and hort. Exp. Sta., Mont. State Coll., Bozeman, Mont.

Instr. hort., Colo. Agr. Coll., 1905-6; field hort., Colo. Exp. Sta., 1906-9; present position, 1909-. *Auth.*: (with Paddock) Fruit-Growing in Arid Regions, 1911.—*b.* Ottawa, Kans., Dec. 8, 1879; *s.* I. L. and Indiana Lucy (Davis) W.; reared on farm; *m.* Myrtle M. Lothian, Feb. 3, 1909; *c.* Kenneth, Francis, Jean. B.S., Kans. State Agr. Coll., 1904. Phi Kappa Phi.

Whitaker, Francis Henry, co. agrl. agt., Newport, Ark.

Prof. manual training and math., Noxubee Co. Agrl. High-Sch., Miss., 1913-4; princ. Beech Grove Consolidated

High-Sch., Violet, Miss., 1914-5; prof. math. and princ. high-sch. dept., high-sch., Jonesville, 1915-6; princ. and prof. agr., Cent. Agrl. High-Sch., 1916-7; formerly agt. Franklin Parish, La.—*b.* Whitaker, Miss., Sept. 19, 1894; *s.* Jas. W. and Sallie G. (Robert) W.; reared on farm; *m.* Cecile M. Armstrong, Jan. 20, 1917. B.S., Miss. A.&M. Coll., 1913.

Whitaker, Helen Dow, farmer, R.2, Palouse, Wash.

Teach. math., State Normal, Cheney, Wash., 1893-5; Whitworth Coll., 1896-8; high-sch., Spokane, 1899-1901; Normal Sch., Moorhead, Minn., 1902-6; Univ. Minn., summer 1906; prof. and head poultry dept., Wash. State Coll., 1915-8; wheat and pea farming, 1918–. Mem. educ. com., Amer. Poultry Assoc.; dir. All-Northwest Egg Laying Contest. Poultry farmer, 7 yrs. (Poultry).—*b.* Minneapolis, Minn., Aug. 1, 1872; *d.* L. A. and Marie Louise (Chapin) Dow; reared in city; *m.* W. K. Whitaker, Dec. 18, 1911. B.S., Univ. Chicago, 1902.

Whitcomb, Warren Draper, sci. asst., Bur. Ent., U. S. Dept. Agr., Washington, D. C.

Ent. invests., Med. Dept., U. S. Army, Camp Jackson, S.C., 1918. (Codlin-moth, deciduous fruit insects).—*b.* Waltham, Mass., June 3, 1895; *s.* John F. and Eva F. (Draper) W.; reared in city. B.Sc., Mass. Agr. Coll., 1917.

Whitcomb, William O., supt. seed and grain lab., Mont. Exp. Sta., Bozeman, Mont.

Asst. agrst., U. S. Dept. Agr., 1909-12; asst. prof. agron., Mont. State Coll., 1913-8; invest. seed marketing, Bur. Markets, U. S. Dept. Agr., Minneapolis, 1918-9; present position, 1920–.—*b.* Crary, N. D., Nov. 25, 1884; *s.* Wm. R. and Ruth (Orr) W.; reared on farm; *m.* Abigail Hess, Aug. 15, 1914; *c.* 1 daughter. B.S.A., N. D. Agr. Coll., 1909; M.S.A., Cornell Univ., 1913. Alpha Zeta; Phi Kappa Phi.

White, Charles Richard, dir. Bur. Coop. Assocs., N. Y. State Dept. Farms and Markets, Albany, N. Y.

Lect., N. Y. State Farmers Inst., 1910-7; conductor, 1913-7; present position, 1918–. Farmer, Ionia, N. Y. Pres. N. Y. State Veg. Growers Assoc., 3 yrs.; vice-pres. W. N. Y. Hort. Soc. (Marketing, cooperation).—*b.* Mendon Center, N. Y., Apr. 4, 1865; *s.* Oliver H. and Euphemia M. (Ewer) W.; reared on farm; *m.* Lura E. Green, June 14, 1886 (d. 1904); 2d, Maud M. Ross, Jan. 31, 1906; *c.* Oliver W., Edwin E., Alberta W. Student Univ. Mich., 1 yr. Sigma Phi.

White, David Stuart, dean Coll. Vet. Med., Ohio State Univ., Columbus, O.

Asst. vet. med., Ohio State Univ., 1893-5; head dept., 1895; dean, 1896–. Major, Vet. Corps, U. S. Army, 1917; Colonel, 1918; chief vet., A. E. F., 1918–. Decorations: C. M. G. (British); Officier Legion d'honneur, 1919. *Translator:* Malkmus' Physical Diagnostics, 1901. *Auth.:* Principles and Practice of Veterinary Medicine, 1917.—*b.* New Brighton, N. Y., Sept. 28, 1869; *s.* Wm. Henry and Catharine Ann (Elliott) W.; *m.* Nellie Eliza Smith, June 24, 1896. D.V.M., Ohio State Univ., 1890; studied Germany and Austria, 1890-3. Sigma Xi; Alpha Psi.

White, Earl Archibald, research engin., Holt Manufacturing Co., Peoria, Ill.

Instr. farm mech., Univ. Ill., 1908-11; assoc., 1913-4; asst. prof., 1916-9. (Farm implements and machinery).—*b.* Antioch, Ill., Dec. 17, 1883; *s.* David M. and Margaret (McCredie) W.; reared on farm; *m.* Helen Mohr Johnston, Aug. 18, 1917. B.S., Univ. Ill., 1908; M.S., Univ. Wis., 1913; Ph.D., Cornell Univ., 1917. Sigma Xi.

White, Edna Noble, prof. and head dept. home econ. and superv. home econ. ext., Ohio State Univ., Columbus, O.

Teach. high-sch., Danville, Ill., 1906-7; instr. home econ., Lewis Inst., Chicago, 1907-8; assoc. prof. home econ., Ohio State Univ., 1908-13; present position, 1913–. Pres. Amer. Home Econ. Assoc.; vice-pres. Nat. Country Life Assoc.; home econ. dir. in chg. food conservation, O. Food Adminis.; chm. Food Div., Woman's Com., O. Branch Council Nat. Defense; chm. nat. dietitians com., Amer. Red Cross. *Auth.:* (with Wardall) A Study of Foods, 1913.—*b.* Fairmount, Ill., June 3, 1880; *d.* Alexander L. and Angeline E. (Noble)

W.; reared in village. A.B., Univ. Ill., 1906. Pi Beta Phi; Phi Delta Psi; Phi Upsilon Omicron.

White, Edward Albert, prof. flor., Cornell Univ., Ithaca, N. Y.
Asst. hort. in chg. greenhouses, Mass. Agr. Coll., 2 yrs.; chg. gardens, C. A. Griscom estate, Haverford, Pa., 1 yr.; commercial work, Arlington, Mass., 3 yrs.; teach. hort., Baron de Hirsch Sch., Woodbine, N. J., 1 yr.; asst. hort., Tex. A.&M. Coll., 2 yrs.; prof. bot., Conn. Agr. Coll., 5 yrs.; prof. flor., Mass. Agr. Coll., 6 yrs.; present position, 1913–. Sec. Amer. Rose Soc.; sec. N. Y. Fed. Hort. Societies and Floral Clubs. *Auth.*: Principles of Floriculture, 1915.—*b.* W. Townsend, Mass., May 23, 1872; *s.* Edward and Susan (Gates) W.; reared on farm; *m.* Cora Crittenden, June 30, 1903; *c.* Emerson E., Kendall C., Barbara C. B.Sc., Mass. Agr. Coll., 1895. Kappa Sigma; Phi Kappa Phi.

White, Elizabeth Coleman, grower of cranberries and blueberries, New Lisbon, N. J.
Sec. Bd. Managers, N. J. State Colonies for Feeble Minded Males.—*b.* New Lisbon, N. J., Oct. 5, 1871; *d.* Joseph J. and Mary A. (Fenwick) W.; reared on farm. Grad. Friends' Cent. Sch., Philadelphia, 1890.

White, Frank M., asst. gen. sales manag., Emerson-Brantingham Implement Co., Rockford, Ill.
Instr. agrl. engin., Univ. Wis., 1909-14; asst. prof., 1914-8; engin. ed., Orange Judd and Phelps Pub. Co., Chicago, Ill., 1918-9; present position, 1919–. Sec.-treas. Amer. Soc. Agrl. Engin., pres. 1916.—*b.* Dewey, Ill., June 21, 1885; *s.* Marshall E. and Mary Josephine (Harless) W.; reared on farm; *m.* Mary Andrews Bickel, June 18, 1913; *c.* Frank Marshall. B.S., Univ. Ill., 1909; M.S., Univ. Wis., 1913. Sigma Xi.

White, George C., prof. dairy husb., Conn. Agr. Coll., Storrs, Conn.
Asst. dairy husb., Univ. Mo., 1911-2; instr., 1912-3; asst. prof., Univ. Neb., 1913-4; present position, 1914–.—*b.* Harrisonville, Mo., May 25, 1887; *s.* Richard H. and Arabelle (Whited) W.; reared on farm; *m.* Lucille Farnham, May 20, 1912; *c.* Richard Farnham, G. Preston, Robt. Crawford. B.S.A., Univ. Mo., 1910; A.M., 1912. Sigma Xi; Gamma Sigma Delta.

White, Hall Brewer, asst. prof. farm buildings, Univ. Minn., University Farm, St. Paul, Minn.
Instr. carpentry, Univ. Minn., 1908-18; present title, 1918–.—*b.* Winnebago, Minn., June 6, 1879; *s.* John A. and Cordelia A. (Brewer) W.; reared on farm; *m.* Elizabeth M. Chase, Aug. 7, 1912; *c.* John A., Luella F. B.S.A., Univ. Minn., 1908. Alpha Zeta.

White, Henry Dale, co. agrl. agt., Ft. Pierre, S. D.
Supt. public schs., Florence, S. D., 1914-5; Peever, 1915-6.—*b.* Kingman, Kans., Sept. 18, 1891; *s.* H. C. and Margaret W.; reared on farm; *m.* Ida Urtrud, May 30, 1918; *c.* Fern Sylvia. B.S., S. D. State Coll., 1914; student law, Columbia Univ., 1916-7.

White, John Edward, co. agrl. agt., St. Anthony, Ida.
Instr. agr., high-sch., S. Cache, Utah, 1914-8; present position, 1918–.—*b.* Vernon, Utah, Feb. 8, 1892; *s.* Joseph and Hannah (Meredith) W.; reared on farm; *m.* Esther Lindell, Dec. 26, 1915; *c.* Romona, Harold E. B.S.A., Utah Agr. Coll., 1913.

White, Joseph Josiah, fruit-grower, New Lisbon, N. J.
Pres. Growers Cranberry Co.; dir. Amer. Cranberry Exchange, N. Y.; pres. The Farmers Trust Co., Mt. Holly, N.J. *Auth.*: Cranberry Culture, 1870.—*b.* near Birmingham, N. J., Jan. 22, 1846; *s.* Barclay and Rebecca Merritt (Lamb) W.; reared on farm; *m.* Mary Anne Fenwick, Nov. 11, 1869; *c.* Rebecca M., Elizabeth C., Mary F., Beulah S., Anne P., Barclay, Joseph.

White, Ross Paul, co. agrl. agt., Thief River Falls, Minn.; 1890–Jan. 10, 1919. See Rus 1918.

White, Thomas Herbert, hort., Md. State Coll., College Park, Md.
Gard., England, 5 yrs.; farmer, Charles Co., Md., 3 yrs.; at present in chg. expts. in veg. and flor., Md. State Coll.—*b.* Great Rissington, England,

Oct. 9, 1868 (naturalized 1904); *s.* Jas. and Mary Ann (Pinchin) W.; reared in country and village; *m.* Annie Louisa Round, May 12, 1882; *c.* Kate, Herbert Jas., Wm. Henry, Albert, Robt., John Gordon, Thos. Wilson, Richard. M.S., Md. State Coll.

White, William, in chg. dairy manufacturing invests., Bur. An. Ind., U. S. Dept. Agr., Washington, D. C.
Creamery buttermaker, Spring Lake, Wis., 1908; Chilton, Wis., 1909; instr. dairying, S. D. State Coll., 1910-2; with Dairy Div., U. S. Dept. Agr., 1912-. *Auth.*: (with C. Larsen) Dairy Technology, 1912.—*b.* Riverton, N. J., Dec. 11, 1884; *s.* Hugh Clendenning and Martha (Pancoast) W.; reared in village; *m.* Alma Bork, Aug. 4, 1910; *c.* Frederick Wm., Ruth Pancoast. B.S.A., Univ. Minn., 1908. Alpha Zeta.

White, William Renwick, asst. prof. agrl. educ., Penn. State Coll., State College, Pa.
Farm supt., 1907-11; present position, 1911-.—*b.* Grove City, Pa., Apr. 22, 1878; *s.* David P. and Elizabeth (Rainy) W.; reared on farm. B.A., Geneva Coll., 1901; B.S., Penn. State Coll., 1907; M.S., 1913; M.A., 1917.

White, Wilton Terrence, supt. Kodiak Livestock Breeding Sta., Kodiak, Alaska.
Plant-breeder and asst. supt. Fairbanks Exp. Sta., Alaska, 1917-9; present position, 1919-. (Agron., plant-breeding).—*b.* Jewell, Kans., June 1, 1890; *s.* W. B. and C. A. (Hutchison) W.; reared on farm; *m.* Edna Anita Scott, Aug. 12, 1915; *c.* Wilton T. Jr. B.S., Kans. State Agr. Coll., 1917. Delta Tau Delta.

Whitehouse, James William, co. agrl. agt., Owensboro, Ky.
Teach. public schs., Spencer Co., Ky., 3 yrs.; prof. an. husb., Berea Coll., 1914-6.—*b.* Anderson Co., Ky., July 15, 1886; *s.* Joseph Thos. and Sarah Elizabeth (Stinnett) W.; reared on farm. B.S.A., Univ. Ky., 1914; M.S.A., 1916. Alpha Zeta.

Whiting, Albert Lemuel, prof. and chief soil biol., Univ. Ill., Urbana, Ill.
Agron., R. I. Exp. Sta., 1908-10; fellow agron., Univ. Ill., 1910-2; present position, 1919-. *Auth.*: Soil Biology Laboratory Manual, 1917.—*b.* Stoughton, Mass., May 12, 1885; *s.* Albert H. and Morilla (Francis) W.; reared on farm; *m.* Lucile DuBois, Dec. 30, 1914; *c.* Alice Elizabeth. B.Sc., Mass. Agr. Coll., 1908; M.Sc., R. I. State Coll., 1910; Ph.D., Univ. Ill., 1912. Sigma Xi.

Whiting, Rex Anthony, an. path., Purdue Exp. Sta., W. LaFayette, Ind.
Vet. insp., U. S. Dept. Agr., 1905-10; asst., assoc. and an. path., Purdue Univ. Exp. Sta., 1910-.—*b.* Holland, N. Y., July 19, 1884; *s.* L. G. Ray and Mary A. (Randall) W.; reared on farm; *m.* Ida M. Coan, Oct. 8, 1905; *c.* Gladys A., Louie Elizabeth. D.V.M., Cornell Univ., 1905. Sigma Xi.

Whitlow, W. Rodney, co. agrl. agt., Russellville, Ky.
Mem. Ky. Legislature, 1908, 1910.—*b.* Oakland, Ky., July 24, 1882; *s.* Alph and Elizabeth (Cole) W.; reared on farm; *m.* Gertrude Horne, June 6, 1911.

Whitney, Clifford C., asst. prof. vet. path., Tex. A.&M. Coll., College Station, Tex.
Instr. vet. path. and bact., Univ. Penn., 1915-6; present position, 1916-.—*b.* Orange, Mass., May 31, 1891; *s.* Edward and Mary E. (Stone) W.; reared in town and country. D.V.M., Geo. Washington Univ., 1914; V.M.D., Univ. Penn., 1915. Sigma Alpha Epsilon.

Whitney, Milton, chief Bur. Soils, U. S. Dept. Agr., Washington, D. C.
Asst. chem., Conn. Exp. Sta., 1883; supt. exp. farm of N. C. Exp. Sta., 1886-8; prof. agr., Univ. S. C. and vice-dir. S.C. Exp. Sta., 1888-91; soil physicist, Md. Exp. Sta., 1891-4; present position, 1894-.—*b.* Baltimore, Md., Aug. 2, 1860; *s.* Milton and Anne M. W.; reared on farm; *m.* Annie C. Langdon, June 30, 1891; *c.* Dorothy W., Milton Jr., Walter L., Courtney, Alden H. Special 3 yr. course chem., Johns Hopkins Univ.

Whitson, Andrew Robeson, prof. soils Univ. Wis., Madison, Wis.
Princ. high-sch., Beloit, Wis., 1895-8; asst. prof. soil physics, Univ. Wis., 1899-1901; prof., 1901-. Del. to Intern. Agrl. Congress, Vienna, 1907. *Auth.*: Notes on Soils, 1910; (with Walster) Soils and

Soil Fertility, 1912.—*b.* Stanton, Minn., Oct. 9, 1870; *s.* Andrew and Abigail (Dack) W.; reared on farm and in town; *m.* Josephine Fitch, Aug. 11, 1897; *c.* Kenneth Fitch, Merritt Bragdon, Rosamunde Louise. B.S., Univ. Chicago, 1894. Sigma Xi; Alpha Zeta.

Whitten, John Charles, prof. pom. and pom. Exp. Sta., Univ. Calif., Berkeley, Calif.

Instr. and hort., S. D. State Coll., 1892; asst. hort., Mo. Bot. Gard., 1893-4; prof. hort. and hort. Exp. Sta., Univ. Mo., 1895-1918; present position, 1918–. Pres. Mo. State Hort. Soc., 1902-3. *Auth.*: Strawberry Culture, Apple Growing, Pruning Fruit Trees, 1903.—*b.* Augusta, Me., Sept. 14, 1866; *s.* Albert and Viola (Sylvester) W.; reared on farm; *m.* Nora Todd, Oct. 31, 1895; *c.* Robt. Todd, Sylvester, Martha E. B.S., S. D. State Coll., 1892; M.S., 1896; Ph.D., Univ. Halle, Germany, 1902. Sigma Xi; Alpha Zeta; Sigma Kappa Zeta; Gamma Sigma Delta.

Whittle, Charles A., editorial manag. Soil Improvement Com., S. Fertilizer Assoc., 616 Rhodes Bldg., Atlanta, Ga.

Agrl. ed., Univ. Ga., 6 yrs.; present position, 1917–. Ex-pres. Nat. Assoc. Agrl. Coll. Editors. (Agron.).—*b.* Sevier Co., Tenn.; *s.* Jas. M. and Mary A. (McCallie) W.; reared on farm; *m.* M. E. Earley, Jan. 11, 1903; *c.* Albert, Margaret. B.A., Univ. Tenn.

Wlancko, Alfred Theodor, prof. agron. and chief soils and crops dept. Exp. Sta., Purdue Univ., LaFayette, Ind.

Asst. and instr. agr., Univ. Neb., 1901-2; assoc. prof. agr., Purdue Univ., 1903-9; prof. agron., 1909–; chief soils and crops dept., Exp. Sta., 1911–. Traveled in Europe, 1910.—*b.* Sparrow Lake, Ont., Oct. 16, 1872 (naturalized 1910); *s.* Adolphus and Meta (Hildebrandt) W.; reared on farm. B.S.A., Toronto Univ., 1895. Sigma Xi; Alpha Zeta.

Wicks, Warren Rosecrans, co. agrl. agt., Beaver City, Neb.

Supt. schs., St. Hilaire, Minn., 1915-8; co. agt., Red Willow and Furnas Co., Neb., 1918–.—*b.* Ripon, Wis., Jan. 18, 1882; *s.* John and Clarissa Jane (Chapin) W.; reared on farm; *m.* Maude S. Burr, 1915; *c.* Benj., Clarissa, Erma-Grace. Grad. State Normal School, Moorhead, Minn., 1915.

Wicks, William Hale, dir. Bur. Plant Ind., State Dept. Agr., Boise, Ida.

Asst. hort., Ore. Agr. Coll., 1904-7; prof. pom. and asst. hort., N. H. Coll., 1908-9; prof. hort., Univ. Ida., 1909-14; prof. hort., Univ. Ark., 1914-8; present position, 1918–. Sec.-treas. bi-products com., N. Pacific Fruit Distributors.—*b.* Macon Co., Ill., Nov. 30, 1881; *s.* Francis and Alice Matilda (Rife) W.; reared on farm; *m.* Cara H. Wilson, Nov. 16, 1904; *c.* Belmyn Augustus, Beverley Justine. B.S.A., Ore. Agr. Coll., 1904; M.S., 1906; M.S.A., Cornell Univ., 1908.

Wickson, Edward James, ed. and prof. hort. emeritus, Univ. Calif., Berkeley, Calif.

Lect. practical agr., Univ. Calif., 1879-91; assoc. prof. agr., 1891-7; prof. agrl. practice and supt. ext. dept., 1897-1907; dean Coll. Agr. and acting dir. Exp. Sta., 1905-7; dean and dir., 1907-13; prof. hort., 1913-5; emeritus, 1915–. Organized first dairy assoc. in Calif., 1876; sec. Calif. State Hort. Soc., 1879-95; pres. Calif. Floral Soc., 1888-1900. Trustee Calif. Poly. Sch., 1902-14; mem. Nat. Council of Hort., 1904-12. Del. from Calif. to Comn. on Rural Credits visiting Europe, 1913. *Auth.*: California Fruits and How to Grow Them, 8th ed. 1919; California Vegetables in Garden and Field, 4th ed. 1917; California Garden Flowers, Trees and Vines, 1915; One Thousand Questions in California Agriculture Answered, 1913; Second Thousand Answered Questions in California Agriculture, 1915. *Ed.*, Pacific Rural Press, 1875–.—*b.* Rochester, N. Y., Aug. 3, 1848; *s.* Geo. Guest and Catherine (Ray) W.; reared in village; *m.* Ednah Newell Harmon, Apr. 27, 1875; *c.* Ednah Harmon Kelly, Catherine Ray, Ida Robinson Thomas, Harmon, Gladys Clare, Guest. A.B., Hamilton Coll., 1869; A.M., 1872. Psi Upsilon.

Widtsoe, John Andreas, pres. Univ. Utah, Salt Lake City, Utah.

Chem., Utah Exp. Sta., 1894-1905;

prof. chem., Utah Agr. Coll., 1895-1905; dir. Utah Exp. Sta., 1900-5; dir. dept. agr., Brigham Young Univ., 1905-7; pres. Utah Agr. Coll.,1907-16; present position, 1916–. Mem. Utah State Hort. Comn., 4 yrs.; Utah State Bd. Educ., 1907–; Utah Conservation Comn., 1909–; vice-pres. Intern. Dry-Farming Congress, 1909, pres., 1912, mem. Bd. Governors, 1912-5; vice-pres. Intern. Irrigation Congress, 1915; chm. Salt Lake City com. on food production; chm. U. S. Food Adminis.; com. for Utah on conservation of irrig. water. Traveled in Europe, 2 yrs. *Auth.*: Dry-Farming, 1911; Irrigation Practice, 1914.—*b.* Island of Froyeu, Norway, Jan. 31, 1872 (naturalized 1896;) *s.* John A. and Anna K. (Gaarden) W.; reared in village; *m.* Leah Dunford, June 1, 1898; *c.* Anna G., Karl Marselius, Leah Eudora. Grad. normal dept., Brigham Young Univ.,1891; B.S., Harvard Univ., 1894; A.M., Ph.D., Univ. Goettingen, 1898; LL.D., Utah Agr. Coll., 1914.

Wiegand, Ernest Herman, asst. prof. hort. products, Ore. Agr. Coll., Corvallis, Ore.

Poultryman and fruit-grower, National City, Calif., 1914-7; poultry specialist, U. S. Dept. Agr., Manhattan, Kans., 1917-9; present position, 1919–.—*b.* Danville, Ill., July 10, 1886; *s.* Herman H. and Elise (Boettiger) W.; reared in city and country; *m.* Josephine Fritz, June 22, 1918. B.S.A., Univ. Mo., 1914. Alpha Zeta; Sigma Kappa Zeta.

Wiggans, Cleo Claude, assoc. prof. hort. and assoc. hort. Exp. Sta., Univ. Neb., Lincoln, Neb.

Asst. and instr., Univ. Mo., 1913-8; research hort., Del. Coll., 1918-9; present position, 1919–.—*b.* near Princeton, Mo., Oct. 20, 1889; *s.* J. S. and Lucy (Barnes) W.; reared in town and on farm; *m.* Martha Chinn, Sept. 29, 1919. B.S.A., Univ. Mo., 1912; A.M., 1913; Ph.D., 1918. Sigma Xi; Gamma Sigma Delta; Gamma Alpha.

Wiggans, Roy Glen, asst. prof. farm crops, Cornell Univ., Ithaca, N. Y.

Asst. farm crops, Cornell Univ., 1914-5; instr., 1915-6; asst. prof., Ohio State Univ., 1916-7; instr., Cornell Univ., 1917-9; asst. prof., 1919–.—*b.* Mercer Co., Mo., May 12, 1891; *s.* J. S. and Lucy (Barnes) W.; reared on farm and in village; *m.* Edna Landon, Jan. 1, 1917; *c.* Robt. Landon. B.S.A., Univ. Mo., 1914; M.S.A., Cornell Univ., 1915; Ph.D., 1919. Gamma Alpha.

Wight, William Franklin, bot. and pom., Bur. Plant Ind., U. S. Dept. Agr., 6th Ave. and Magnolia, Chico, Calif.

Asst. bot., Stanford Univ., 1900. Del. to Intern. Congress of Bot., Vienna, 1905. Spent year in S. Amer.—*b.* Allegan Co., Mich., June 8, 1874; *s.* Wm. and Mary E. (Stiles) W.; reared on farm; *m.* Gertrude Hawley, July 31, 1901; *c.* Roland Henry, Wm. Gordon. B.S., Mich. Agr. Coll., 1894; A.B., Stanford Univ., 1899; A.M., 1900. Sigma Xi.

Wilcox, Earley Vernon, special writer for Country Gentleman, Southbrook Court, Washington, D. C.

Prof. biol., Mont. State Coll., 1896-9; assoc. ed. Exp. Sta Record, 1899-1908; dir. Hawaii Exp. Sta., 1908-14; administrative asst., States Relations Serv., 1914-6; agrst. in chg. farm tenancy and farm labor, U. S. Dept. Agr., 1917-9; present position, 1920–. *Translator:* Ostertags Handbook of Meat Inspection, 1905; Guide for Meat Inspectors, 1916. *Auth.*: Farmer's Cyclopedia of Agriculture, 1904; Farm Animals, 1906; Farmer's Cyclopedia of Live-stock, 1908; Tropical Agriculture, 1916; Lights and Shadows in Hawaii, 1913.—*b.* Busti, N. Y., Feb. 16, 1869; *s.* Abram F. and Sally Maria (Mead) W.; reared on farm; *m.* Mabel Ruth Owens, June 30, 1897. A.B., Otterbein Univ., 1890; A.B., Harvard Univ., 1892; A.M., 1894; Ph.D., 1895.

Wilcox, Edwin Mead, dir. agrl. Exp. Sta., Santo Domingo, W. Indies.

Prof. bot. and ent., Okla. A.&M. Coll., 1900-1; prof. plant physiology and path., Ala. Poly. Inst., 1901-8; prof. plant path., Univ. Neb., 1908-20; present position, 1920–. Fellow A. A. A. S. Traveled around world, 1899-1900, studying trop. agr.—*b.* Busti, N. Y., May 21, 1876; *s.* Abram F. and Sally Maria (Mead) W.; reared on farm; *m.* Cora Ruth Eichhorn, June 29, 1889; *c.* Elizabeth Sally, Christine Louise, Mead Nicholas. B.Sc., Ohio State Univ., 1896; A.M., Harvard Univ., 1898; Ph.D., 1899. Sigma Xi; Gamma Sigma Delta; Alpha Zeta.

Wilcox, Raymond Boorman, sci. asst. plant path., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

b. Kiowa, Kans., Feb. 1, 1889; *s.* Jas. Noble and Nettie (Boorman) W.; reared in village; *m.* Hazel M. Hoag, Dec. 25, 1916; *c.* Elizabeth Noble. B.S.A., Univ. Wis., 1912; M.S., 1913.

Wilde, Earle Irving, asst. prof. flor., Penn. State Coll., State College, Pa.

2d Lieut., Q. M. C., U. S. Army, World War.—*b.* Taunton, Mass., Jan. 17, 1888; *s.* Samuel A. and Mary E. (Lincoln) W.; reared in city; *m.* Laura K. Wheeler, Aug. 26, 1914; *c.* Earle I. Jr., Richard Arnold. B.S., Mass. Agr. Coll., 1912; M.S., Penn. State Coll., 1917. Kappa Sigma.

Wilder, Garfield James, co. agrl. agt., Petersburg, Ill,

Farm manag., Cleveland, O., 7 yrs.; in agrl. lime industry, 4 yrs. (Soils, live-stock).—*b.* Avon, O., July 2, 1881; *s.* Wm. T. and Lucy (Gregg) W.; reared on farm; *m.* Clara Teresa Carter, Feb. 16, 1915; *c.* Garfield J. Jr. B.S.A., Ohio State Univ., 1906.

Wilder, Henry J., agrst., States Relations Serv., U. S. Dept. Agr., Washington, D. C.

b. Sunderland, Mass., Jan. 15, 1873; *s.* Alden and Jennie (Woodbury) W.; reared on farm; *m.* Gertrude M. Bent, Aug. 16, 1900. A.B., Harvard Coll., 1897. Theta Delta Chi.

Wildermuth, Vernon Leroy, ent. asst. in chg. U. S. Ent. Lab., Tempe, Ariz.

b. Groveport, O., Aug. 15, 1885; *s.* Edward and Olive (Keller) W.; reared on farm; *m.* Marguerite Kiessling, May 16, 1912; *c.* Erna Ruth, Edward Richard. B.S.A., Ohio State Univ., 1909.

Wiley, Harvey Washington, farmer, ed., chem., Cosmos Club, Washington, D. C.

Prof. Greek and Latin, Butler Coll., Indianapolis, 1868-70; teach. sci., Indianapolis high-sch., 1871; prof. chem., Butler Coll., 1873-4; prof. chem., Purdue Univ. and state chem. of Ind., 1874-83; prof. chem., Ind. Med. Coll., 1875-9; chief chem., U. S. Dept. Agr., 1883-1912; prof. chem., Geo. Washington Univ. Grad. Sch., 1899-1912; consulting prof. food chem., Poly. Inst. of Brooklyn, 1905. Chm. Bd. Food and Drug Insp., 1907-12. Sec. Assoc. Official Agrl. Chem., 1889-1912, life-pres., 1912–; vice-pres. A. A. A. S., 1886, sec. council, 1890, gen. sec., 1891; pres. Amer. Chem. Soc., 1893-4; pres. U. S. Pharmacopoeial Convention, 1910–; pres. Amer. Therapeutic Soc., 1910; pres. Ind. Acad. Sci., 1902; vice-pres. Washington Acad. Sci., 1909; vice-pres. Nat. Soc. for Prevention of Adulteration and Sophistication, 1910–. Mem. Jury Awards, Chicago Expos., 1893; Paris Expos., 1900; Jamestown Expos., 1907. U. S. del. 3d Intern. Congress Applied Chem., Vienna, 1898; 4th, Paris, 1900; 5th, Berlin, 1903; 6th, Rome, 1906; 7th, London, 1909. Hon. pres. First Intern. Congress for the Repression of Adulteration of Alimentary and Pharmacopoeial Products, Geneva, 1908; corresponding mem. for U. S., Societe Universelle de la Croix-Blanche de Geneve, 1909. Chevalier du Merite Agricole, 1900; Chevalier Legion of Honor, 1909; Elliott Cresson Medal of Franklin Inst., 1910. *Auth.*: Songs of Agricultural Chemists, 1892; Principles and Practice of Agricultural Chemistry (3 vols.), 1894-7, 2d ed., 1909-11; Foods and Their Adulteration, 1907, 3d ed., 1918; 1001 Tests, 1914, 2d ed., 1916; The Lure of the Land, 1915; Not by Bread Alone, 1915; Beverages and their Adulterations, 1919. Contributing ed., Good Housekeeping Magazine, 1912–. (Agrl. chem., nutr.).—*b.* Kent, Ind., Oct. 18, 1844; *s.* Preston P. and Lucinda Weir (Maxwell) W.; reared on farm; *m.* Anna Campbell Kelton, Feb. 11, 1911; *c.* Harvey W. Jr., John Preston. A.B., Hanover Coll., 1867; A.M., 1869; M.D., Ind. Med. Coll., 1871; B.S., Harvard Univ., 1873; Ph.D., Hanover Coll., 1881; LL.D., 1895; LL.D., Univ. Vt., 1912; Sc.D., Lafayette Coll., 1913.

Wiley, Robert Lorenzo, co. agrl. agt., Independence, Va.

Princ. high-sch., Independence, Va., 1909-11: Fries public sch., 1911-3; instr., Elk Creek Training Sch., 1913-4; dir. agr. and manual training, 1914-5; agt. Grayson Co., 1916–.—*b.* Grayson Co., Va., Aug. 16, 1877; *s.* Eli and Nannie (Bedwell) W.; reared on farm; *m.* Myrtle Rector, Sept. 5, 1911; *c.* Robt. Chapman, Rosamond. A.B., Emory and Henry Coll., 1905.

Wilkey, Clovis Ray, teach. agr., high-sch., Glenwood, Ark.
Co. agrl. agt., Ky., 1918-9; present position, 1919-.—*b.* Dixon, Ky., Mar. 22, 1897; *s.* W. J. and Mattie A. W.; reared on farm. B.S.A., Univ. Ky., 1917.

Wilkins, Lydia Kent, chief Periodical Div., Library, U. S. Dept. Agr., Washington, D. C.
Instr. Latin and math., McDonald-Ellis Sch., Washington, D. C., 1898-9; instr. biol., Washington high-sch., 1900; instr., Philippine Isls., 1901-3; Porto Rico, 1905; classifier, Hispanic Soc. Library, N. Y., 1906; expert indexer, Library Bur., N. Y., 1907-8; instr. high-sch., Nome, Alaska, 1909-10; present position, 1911-.—*b.* Washington, D. C., Feb. 23, 1873; *d.* Chas. F. and Hannah A. (Weatherby) W. B.A., Wellesley Coll., 1896; student library course, Columbia Univ.

Wilkins, Mitchell, co. agrl. agt., Cheyenne, Wyo.
Asst. sheep specialist, U. S. Dept. Agr., 1918; state sheep specialist, S. D., 1918-9; present position, 1919-.—*b.* Coburg, Ore., Feb. 1, 1891; *s.* Jasper and Clare A. W.; reared on farm; *m.* Anna Nelson, June 1915; *c.* Westa. B.S., Ore. Agr. Coll., 1915.

Wilkinson, Albert Edmund, co. agrl. agt., Mays Landing, N. J.
Hort., Baron de Hirsch Agr. Sch., Woodbine, N. J., 1907-8; farmer, Mass., 1908-10; hort., Lyndon Agr. Sch,. Vt., 1910-2; instr. hort. and veg.-gard., Cornell Univ., 1912-3; agrl. agt., Atlantic Co., N. J., 1918-. *Auth.*: Modern Strawberry Growing, 1913; Sweet Corn, 1915; The Apple, 1915; Muck Crops, 1916.—*b.* Boston, Mass., July 17, 1879; *s.* Richard and Lizzie R. (Barney) W.; reared in town; *m.* Maude L. Owen, 1906; *c.* Richard Merrill. B.S., R. I. State Coll., 1906; M.Agr., 1916.

Wilkinson, Robert Shaw, pres. State A.&M. Coll., Orangeburg, S. C.
Prof. Latin, Greek and econ., Univ. Ky., 1891-6. Pres. State Teach. Assoc.; mem. exec. com., Nat. Teach. Assoc.—*b.* Charleston, S. C., Feb. 18, 1865; *s.* Chas. and Lavinia (Robinson) W.; reared in city; *m.* Marion R. Birnie, June 29, 1897; *c.* Helen Raven, Robt. Shaw, Frost Birnie, Lula Love. A.B., Oberlin Coll., 1891; Ph.D., Univ. Ky., 1898.

Willaman, John James, asst. prof. plant chem., Univ. Minn., University Farm, St. Paul, Minn.
Asst. agrl. chem., Univ. Wis., 1912-3; instr., Univ. Minn., 1913-5; asst. prof., 1915-; plant chem., 1917-. (Physiol. of plant diseases).—*b.* Brodhead, Wis., Oct. 7, 1889; *s.* John H. and Eldora (Scoville) W.; reared in city; *m.* Leola Lorenz, 1915; *c.* Dorothy Ellen, Janet Leola. B.S., Univ. Wis., 1912; M.S., 1914; Ph.D., Univ. Chicago, 1919. Phi Beta Kappa; Sigma Xi; Gamma Alpha.

Willard, Charles Julius, asst. prof. farm crops, Ohio State Univ., Columbus, O.
Farmer, Bradford, Kans., 1910-3; Williamsburg, Va., 1913-6; present position, 1917-.—*b.* Manhattan, Kans., Feb. 14, 1889; *s.* Julius T. and Lydia (Gardiner) W.; reared in town; *m.* Vivien M. Ullmer, Oct. 28, 1911. B.S., Kans. State Agr. Coll., 1908; B.S.A., Univ. Ill., 1910; M.S., 1917. Sigma Xi; Alpha Zeta.

Willard, Daniel Everett, development agt., Northern Pacific Ry., 1128 Hague Ave., St. Paul, Minn.
Prof., N. D. State Normal Sch., 1895-1903; prof. geol., N. D. Agr. Coll., 1903-10; present position, 1910-. Fellow A.A.A.S., Amer. Geographic Soc. of N. Y. *Auth.*: The Story of the Prairies, 1902; School Geography, 1903; Soils of North Dakota, 1909.—*b.* Nile, N. Y., Aug. 22, 1862; *s.* DeWitt C. and Lavinia (Lamphear) W.; reared on farm; *m.* Emma Davis, Nov. 11, 1903; *c.* Daniel E. Jr. A.B., Alfred Coll., 1888; A.M., Alfred Univ., 1890; grad. student, Univ. Chicago, 1892-5.

Willard, Rex E., prof. farm manag., N. D. Agr. Coll., Agricultural College, N. D.
Sci. asst., U. S. Bur. Soils, 1908-10; soil physicist, N. Mex. A.&M. Coll., 1910-2; agrst., Off. Farm Manag., U. S. Dept. Agr., 1912-8; agt. Grand Forks Co., N. D., 1918-20; present position, 1920-.—*b.* Friendship, N. Y., Sept. 6, 1883; *s.* Dewitt Clinton and Lavinia (Lamphear) W.; reared on farm; *m.*

Ruth Thompson, Aug. 19, 1914; *c.* Winifred Ruth. B.S.A., N. D. Agr. Coll., 1908.

Williams, Carl, ed. Oklahoma Farmer-Stockman, Oklahoma City, Okla.

Copy boy to manag. ed. city newspapers, 1897-1905; ed. Scientific Farmer, 1905-6; farmer, seed-breeder and stockman, Colo., 1906-11; present position, 1913–. Sec. Sci. Farming Assoc., 1906; organized Intern. Dry-Farming Congress, 1906; pres. Colo. Grain and Seed Growers Assoc., 1906-8; mem. State Council Defense, 1917-8. (Agrl. econ.).—*b.* Porter Co., Ind., Mar. 30, 1878; *s.* Abraham L. and Julia Ann (Williams) W.; reared on farm; *m.* Mabel Bates, July 14, 1906.

Williams, Charles Burgess, chief div. agron. and vice-dir. Exp. Sta., and dean Coll. Agr., N. C. State Coll., W. Raleigh, N. C.

With N. C. State Coll., 1894–; chem., N. C. State Dept. Agr., 1907–. *Auth.*: (with D. H. Hill) Corn Book for Young Folk, 1920.—*b.* Shiloh, N. C., Dec. 23, 1871; *s.* Robt. J. and Susan (Burgess) W.; reared on farm; *m.* Margaret Williams Moring; *c.* Frances, Suzanne, Frank. B.S., N. C. A.&M. Coll., 1893; M.S., 1896; scholarship student Johns Hopkins Univ., 1896-7.

Williams, Fred L., asst. state leader co. agts., State House, Boise, Ida.

b. Emporia, Kans., Jan. 3, 1876; reared on farm; *m.* Katherine A. Mauly; *c.* Donald M. Studied 3 yrs., Kans. State Agr. Coll.

Williams, George Pugh, ext. sheep specialist, U. S. Dept. Agr., La. State Univ., Baton Rouge, La.

With Ohio Exp. Sta., 1902-4; instr., Millersburg Military Inst., Ky., 1905; Chicago Parental Sch., 1906; Waterford Agrl. High-Sch., Pa., 1907; farm manag., 1908-17; present position, 1918–. *Assoc. ed.*, Nat. Stockman and Farmer, 1916-8. (Sheep and goat husb.).—*b.* Radnor, O., Oct. 24, 1876; *s.* David and Mary (Jones) W.; reared on farm. A.B., Ohio Wesleyan Univ., 1902; A.M., 1910.

Williams, Grace Irene, asst. prof. foods and cookery, Univ. Minn., University Farm, St. Paul, Minn.

Teach., high-schs., N. Y. State previous to 1910; teach. home econ., Milwaukee-Downer Coll., 1910-3; present position, 1913–.—*b.* W. Shelby, N. Y.; *d.* John Wesley and Sarah A. (Kohler) W.; reared on farm. B.A., Teachers Coll., Columbia Univ., 1910; M.A., 1917.

Williams, Harley LaStrange, state leader poultry husb., U. S. Dept. Agr. and La. State Univ., Baton Rouge, La.

Poultry farmer, Fla. and Ga., 10 yrs.; poultry and egg research, Armour & Co., 6 mos.; ext. poultry husb., Miss. A.&M. Coll., 1918-9; present position, 1919–. Mem. state adv. bd. and supt. poultry and pet stock dept., Miss. State Fair; gen. manag. and supt. poultry and pet stock dept., La. State Fair.—*b.* Mountville, Ga., Aug. 8, 1888; *s.* Wm. Allen and Lilla (Clopton) W.; reared on farm; *m.* Ellie Mae Colson, Sept. 10, 1906; *c.* Thelma, Edna Mae, Allen. Student Mountville Military Inst., Ga., 3 yrs.

Williams, Hobart Floyd, chief farm loan examiner, Mutual Benefit Life Insurance Co., Newark, N. J.

Asst. ed., Orange Judd Farmer, Chicago, 1912; sci. asst., U. S. Dept. Agr., 1913-4; asst. prof. farm manag., Univ. Neb., 1915-6; asst. to pres. and chief appraiser, Fed. Land Bank of Omaha, Neb., 1917; present position, 1918–.—*b.* Albany, Mo., June 4, 1886; *s.* T. H. B. and Ophelia J. (Albin) W.; reared on farm; *m.* Anita Noncolas, Apr. 9, 1918. B.S.A., Univ. Mo., 1912; M.S., Univ. Neb., 1917. Alpha Tau Omega; Gamma Sigma Delta.

Williams, Isadora, home dem. agt., Hartford, Ala.

Teach. graded sch., Eastover, S. C., 1908-13; high-schs., Pickens, 1915-7; on farm, 1913-5, 1917-8; home dem. agt., Geneva Co., Ala., 1919–.—*b.* Pickens Co., S. C., Sept. 7, 1884; *d.* Frederick and Nancy Laura (O'Dell) W.; reared in country. A.B., Winthrop Normal and Ind. Coll.

Williams, Richard Hermon, prof. an. husb., Univ. Ariz., Tucson, Ariz.

Instr. an. husb., Ohio State Univ., 1907-9; asst. prof., Univ. Minn., 1911-2; present position, 1912–. Farm manag., Pike, N. H., 1902-3; foreman Mt. Hermon Boys' Sch., Mass., 1903-4. —*b.* Corbetton, Ont., Apr. 13, 1881; *s.* Mark Guy and Arabella Susan (Haslam) W.; reared on farm; *m.* Jessamine Chapman, Aug. 30, 1913. B.S.A., Toronto Univ., 1905; M.S., Univ. Ill., 1907; Ph.D., 1912. Alpha Zeta; Phi Kappa Phi.

Willis, Luther G., chem., Agrl. Exp. Sta., Mayaguez, Porto Rico.

Asst. chem., Penn. State Coll., 1910-2; asst. chem., Univ. Tenn., 1912-8; present position, 1918–.—*b.* S. Walpole, Mass., Dec. 19, 1886; *s.* Albert A. and Georgia F. (Cummings) W.; reared in town; *m.* Sarah E. Harrison, 1909; *c.* Albert H., Katherine. B.S., Mass. Agr. Coll., 1909.

Willis, Mina Augusta, home dem. agt., Billings, Mont.

Instr., Univ. Wis., 1914; plant path., Univ. Ida., 1915-8; home dem. agt., Yellowstone Co., Mont., 1918–.—*b.* Iowa Co., Wis., Nov. 27, 1880; *d.* Richard and Phillis (Hird) W.; reared on farm. B.S.A., Univ. Wis., 1913; M.S., 1914; B.S. in H.E., Univ. Ida., 1918.

Williston, David Augustus, prof. lands. arch. Tuskegee Inst., Ala.

Prof. agr., N. C. A.&M. Coll., Greensboro, 1898-1902; lands. gard., Tuskegee Inst., 1902-8; prof. agr. and hort., Fisk Univ., Nashville, Tenn., 1908-11; present position, 1911–.—*b.* Fayetteville, N. C., 1872; *s.* Frank and Henriette W. (col.); reared on farm; *m.* Susie Bell Thomas, 1908; *c.* Thos. A. B.S.A., Cornell Univ., 1898.

Willoughby, Claude Houston, prof. an. husb. and dairying, Univ. Fla., Gainesville, Fla.

Instr. dairying, Univ. Mo., 1901; dairyman and an. husb., farmers inst. worker, Ga. Exp. Sta., 1902-10; supt. Fern Crest Dairy, Sandersville, Ga., 1910–2; present position, 1912–. Officer Ga. Dairy and Live Stock Assoc., 1904-12, Fla. State Live Stock Assoc., 1912-9. Dept. ed., Southern Ruralist, Atlanta, 1905-19.—*b.* Tamaroa, Ill., Jan. 2, 1875; *s.* Cyril Latimer and Harriet Newell (Patrick) W.; reared in village and country; *m.* Gertrude Evans, 1897; *c.* Alice E., Gertrude M. B.Agr., Univ. Mo., 1901; grad. student, Univ. Wis., 1901, Cornell Univ. 1908, Geo. Peabody Coll., 1918. Phi Kappa Phi; Sigma Alpha Epsilon.

Willoughby, Luther Earle, distr. agrl. agt., Hays, Kans.

Teach. high-sch., Winfield, Kans., 1912-4; Santa Barbara, Calif., 1914-5; princ. rural high-sch., Grainfield, 1916-7; formerly agt. Rush Co., Kans.—*b.* Nokomis, Ill., Dec. 8, 1889; *s.* Millard Fillmore and Amanda (Manning) W.; reared on farm; *m.* Inez Brown, Aug. 21, 1913; *c.* Jean Brown. B.S., Kans. State Agr. Coll., 1912; B.S.A., 1916.

Wills, John Gorden, chief vet., Dept. Agr., Albany, N. Y.

Pres. U. S. Livestock Sanitary Assoc.; pres. N. Y. State Vet. Med. Soc.; chm. sect. sanitary sci., Amer. Vet. Med. Assoc. (Infectious diseases of animals). —*b.* Chateaugay, N. Y., Apr. 4, 1879; *s.* Alexander and Elizabeth (Jolly) W.; reared on farm; *m.* Netta O. Gamble, June 1907; *c.* John G. Jr. B.S.A., Univ. Vt., 1903; D.V.M., Cornell Univ., 1906. Sigma Nu.

Willson, Charles Albert, asst. dean Coll. Agr. and prof. an. husb., Univ. Tenn., Knoxville, Tenn.

Asst. an. husb., Kans. State Agr. Coll., 1906-7; instr. an. husb., Univ. Mo., 1907-10; asst. prof. an. husb., Univ. Tenn., 1910-2; prof., 1912–; asst. dean Coll. Agr., 1919–.—*b.* Lapeer Co., Mich., Aug. 29, 1879; *s.* John D. and Roxa M. (Dayton) W.; reared on farm; *m.* Bertha M. Wellman, Aug. 29, 1907; *c.* Margaret, Charlotte. B.S.A., Mich. Agr. Coll., 1906; M.S.A., Univ. Mo., 1910. Alpha Zeta; Phi Kappa Phi.

Willson, Edwin A., co. agrl. agt., Fargo, N. D.

Live-stock manag., Anaconda Copper Mining Co., Mont., 1907-8; foreman, Bitter Root Stock Farm, Hamilton, 1909; asst. agrl. agt., Great Northern Ry., 1910-2; agrl. agt., N. Pacific Ry., 1913-8; present position, 1918–. Sent to

England, 1914, by J. J. Hill to purchase cattle.—*b.* Bozeman, Mont., June 11, 1885; *s.* Geo. H. and Florence (Baker) W.; reared in town; *m.* Gertrude A. Kasper, June 7, 1916; *c.* Jane Ann. B.S., Mich. Agr. Coll., 1907.

Wilson, Archie Dell, dir. agrl. ext. and supt. farmers insts., Univ. Minn., University Farm, St. Paul, Minn.

Asst. agr., Univ. Minn., 1905-7; supt. farmers insts., 1907–; dir. agrl. ext., 1909–. Fed. food adminis. for Minn., 1917-9. *Joint auth.*: Agriculture for Young Folks, 1910; Field Crops, 1912; Elements of Farm Practice, 1915. Dept. ed., The Farmer, St. Paul, 1908–. —*b.* Hastings, Minn., Dec. 3, 1875; *s.* M. G. and Olive J. (McCarriel) W.; reared on farm; *m.* Eva W. Ward, Sept. 5, 1906; *c.* Archie Dell, Winifred Ward, Marian Louise. B.S.A., Univ. Minn., 1905. Sigma Xi; Alpha Zeta.

Wilson, Benjamin Dunbar, asst. prof. soil tech., Cornell Univ., Ithaca, N. Y.

Asst. chem., Ky. Exp. Sta., 1909-14; instr., Cornell Univ., 1917-8; asst. prof., 1918–.—*b.* Lexington, Ky., 1889; *s.* Benj. B. and Alice P. (Hancock) W.; reared in city. B.S., Univ. Ky., 1909; M.S., 1914; Ph.D., Cornell Univ., 1917. Sigma Xi; Sigma Nu.

Wilson, Carl Burghardt, prof. agrl. educ. and state superv. voc. agr., Univ. Ida., Moscow, Ida.

Asst., Oberlin Coll., 1906-7; tutor, Oberlin Acad., 1907-11; instr., Moorhead State Normal, Minn., 1911-4; princ. Sch. Agr., Univ. Ida., 1915–; instr. agrl. educ., 1915-6; asst. prof., 1916-8; prof., 1918–.—*b.* Penfield, O., Jan. 19, 1881; *s.* Rufus N. and Elsie L. (Howk) W.; reared on farm; *m.* Genevieve L. Lang, July 20, 1906; *c.* Carl Grover, Jas. Rufus. A.B., Oberlin Coll., 1906; B.S., Ia. State Coll., 1916; M.A., Oberlin Coll., 1909. Phi Beta Kappa.

Wilson, Charles Scoon, fruit-grower, Hall, Ontario Co., N. Y.

Instr. hort., Cornell Univ., 1905-7; asst. prof., 1907-10; prof. pom., 1910-5; comnr. of agr., 1915-20. N. Y. State Fair comnr., 1915-20; mem. N. Y. State Defense Council, 1917–; chm. N. Y. State Food Supply Comn., 1917. Pres. Nat. Assoc. Comnrs. Agr.—*b.* Hall, N. Y., Dec. 11, 1879; *s.* Thos. B. and Margaret (Scoon) W.; reared on farm; *m.* Ada Louise Miller; *c.* Margaret Scoon. B.S., Cornell Univ., 1904; M.S.A., 1905. Alpha Zeta.

Wilson, Clarence Paret, chem. in chg. Research Lab., Calif. Fruit Growers Exchange, Corona, Calif.

Asst. chem., Bur. Chem., U. S. Dept. Agr., 1907-16; manag. and chief chem., Exchange By-Products Co., 1916-20; present position, 1920–. (Citrus fruits and by-products, fruit juices, essential oils).—*b.* Baltimore, Md., Dec. 26, 1885; *s.* Clarence and Mary Frances (Palmer) W.; reared in town; *m.* Mary Lillian Herring, Mar. 26, 1913; *c.* Mary Virginia, Paul Edward, Clarence P. Jr. B.S., Geo. Washington Univ., 1907. Sigma Phi Epsilon.

Wilson, Donald, co. agrl. agt., Rush City, Minn.

Teach. agr., high-sch., Mantorville, Minn., 1914-7; Rush City, 1917-8.—*b.* Stillwater, Minn., July 26, 1890; *s.* Frank T. and Helen (Sawyer) W.; reared in town and on farm; *m.* Laura L. Cheney, Aug. 18, 1916; *c.* Robt. Stearns. B.S.A., Univ. Minn., 1914. Delta Upsilon.

Wilson, Earl Julius, farmer and stockman, Lake Valley, N. Mex.

Steward and farm manag., N. Mex. Hospital for Insane, 1913-7; co. agrl. agt., Hillsboro.—*b.* Kingston, N. Mex., June 8, 1885; *s.* Oliver and Marie Louisa (Head) W.; reared in mining and stock-raising section; *m.* Marjorie Proctor, Sept. 27, 1914; *c.* Helen Maxine, Earl J. Jr., Donald Proctor. B.S.A., N. Mex. A.&M. Coll., 1913.

Wilson, Elsmer, home dem. agt., Greenwood, Miss.

b. Crystal Springs, Miss., Apr. 8, 1898; *d.* J. E. and Addie (Johnson) W.; reared in town. M.P., Ind. Inst. and Coll., Columbus, Miss., 1917; B.S., 1919.

Wilson, Frederick Weston, prof. an. husb., Univ. Nev., Reno, Nev.

Asst. an. husb., in chg. farmers insts., Univ. Ariz., 1905-7; assoc. in chg. Exp. Sta. farm, 1907-9; prof., 1907-14; present position, 1914–. Nev. rep. for the

Wool Div. of War Industries Bd. Supt. agrl. dept., Ariz. State Fair, 1905-9; supt. cattle dept., 1913-4. Sec. Ariz. State Cattle Growers Assoc., 1908-12; mem. bd. dirs., Amer. Corriedale Sheep Assoc. *Assoc. ed.*, Progressive Farmer, Southwestern Stockman. (Sheep).—*b.* Graham Co., Kans., Aug. 4, 1882; *s.* Samuel Greeley and Lucy (Mellen) W.; reared in town; *m.* Clare Cave, Sept. 1, 1906; *c.* Tom Cave, F. W. Jr., Samuel Greeley. B.S.A., Kans. State Agr. Coll., 1905; M.S., Univ. Ill., 1913. Sigma Xi; Phi Kappa Phi.

Wilson, Garnet Roy, Dominion poultry rep., 347 St. George St., Moncton, N. B.
Distr. rep., Ont. Dept. Agr., 1 yr. Served in Canadian Army, 8 mos.—*b.* Merrickville, Ont., Dec. 5, 1895; *s.* Matthew and Jemimah (Lang) W.; reared on farm. B.S.A., Ont. Agr. Coll., 1918.

Wilson, Graham Eugene, head dept. biol. and agr., State Normal Sch., Mayville, N. D.
Instr. agr., Viroqua high-sch., Wis., 1912-3; Lyle, Minn., 1913-4; instr. agr. and farm manag., State Normal Sch., Platteville, Wis., 1915-7; present position, 1917-.—*b.* Viola, Wis., Feb. 11, 1884; *s.* Geo. Washington and Martha (Clark) W.; reared on farm; *m.* Eleanor J. Hanson, Sept. 5, 1906; *c.* Martha Gertrude, Roger Graham. B.S.A., Univ. Wis., 1915.

Wilson, Guy Mitchell, prof. agrl. educ., Ia. State Coll., Ames, Ia.
Teach. rural sch., Clinton Co., Ind., 1892-4; high-sch., Alexandria, 1896-7; town supt., Chalmers, 1899-1900; North Salem, 1900-3; co. supt., Hendricks Co., 1903-8; city supt., Connersville, 1908-12; present position, 1913-. Sec.-treas. Soc. Coll. Teachers Educ. Traveled in Europe. *Auth.*: Course of Study in Arithmetic, 1912; Motivation of School Work, 1916; The Social and Business Usage of Arithmetic, 1918. *Assoc. ed.*, Midland Schools, Des Moines, Ia.—*b.* Clinton Co., Ind., Nov. 10, 1876; *s.* Edward B. and Mary E. (Norris) W.; reared on farm; *m.* Ina Hieatte, Aug. 28, 1897; *c.* Doris Mae. Grad. Ind. State Normal, 1896; A.B., Ind. Univ., 1900; M.A., 1908; Ph.D., Columbia Univ., 1918. Phi Delta Kappa.

Wilson, Harley Frost, prof. econ. ent., Univ. Wis., Madison, Wis.
With U. S. Bur. Ent., 1908-10; Ore. Agr. Coll., 1910-5; present position, 1915-. (Aphididae).—*b.* Del Norte, Colo., Apr. 14, 1883; *s.* Thos. C. and Mary E. (Watson) W.; reared on farm and in city; *m.* Clara Louise McClain, Aug. 11, 1909; *c.* J. Robt., John Franklin. B.S., Colo. Agr. Coll., 1907; M.S., Ore. Agr. Coll., 1913. Sigma Xi; Sigma Nu; Alpha Gamma Rho.

Wilson, Harrison Betts, co. agrl. agt., Flandreau, S. D.
Instr. agr., high-sch., Belmond, Ia., 1916-8.—*b.* Hardin, O., Dec. 7, 1891; *s.* Ernest Clyde and Grace Adeline (Wilson) W.; reared on farm; *m.* Florence M. Richardson. B.S.A., Ia. State Coll., 1915. Beta Theta Pi; Alpha Zeta.

Wilson, Harry Scott, co. agrl. agt., Olathe, Kans.
Rancher, 1906-13; dairy farmer, 1913-7; agrl. agt. Johnson Co., 1917-.—*b.* Rural, Ill., Aug. 17, 1878; *s.* John Allen and Jennie (Scott) W.; reared on farm; *m.* Myrtle Snider, Jan. 12, 1915; *c.* Jennie Lorene, Howard Earl. Student Univ. Neb., 1901-5. Kappa Sigma.

Wilson, Irl Donaker, asst. prof. an. husb., Penn. State Coll., State College, Pa.
Vet., hog cholera serum plant, 1914; practitioner vet. med., Blue Earth, Minn., 1914-6; instr. an. husb., Penn. State Coll., 1916-8; asst. prof., 1918-. Recording sec. Pa. State Vet. Med. Assoc., 1918-20.—*b.* Rockwell City, Ia., May 21, 1888; *s.* J. F. and Hattie (Donaker) W.; reared on farm; *m.* Belle Seely, Nov. 26, 1914; *c.* Irl D. Jr. D.V.M., Ia. State Coll., 1914; M.S., Penn. State Coll., 1918. Phi Sigma Kappa.

Wilson, James, agrst., formerly Secretary of Agriculture, Traer, Ia.
Mem. 12th, 13th and speaker 14th Assemblies of Ia.; regent State Univ. Ia., 1879-4; mem. Congress, 1873-7; mem. Ia. State Ry. Comn., 1877-83; mem. Congress, 1883-5; dir. Exp. Sta. and prof. agr., Ia. State Coll., 1890-7; sec. agr., 1897-1913.—*b.* Ayrshire, Scotland, Aug. 16, 1835; *s.* John and Jean (McCosh) W.; *m.* Esther Wilbur. LL.D., Univ. Wis., 1904; Cornell Coll., Ia.,

1904; McGill Univ., 1909; Univ. Edinburgh, 1904. [Deceased as we go to press].

Wilson, James Alexander, dir. ext. serv. and state agt., Okla. A.&M. Coll., Stillwater, Okla.

Supt. high-sch., Minn., 1900-3; deputy state dairy comnr., Minn., 1904-6; princ. agrl. high-sch., Minn., 1906-8; pres. distr. agr. coll., Wis. and Okla., 1908-10; dir. Exp. Sta., 1910-3; co. and asst. state agt., Farmers Coop. Dem. Work, U. S. Dept. Agr., 1913-5; present position, 1915-.—*b.* Lake City, Minn., Aug. 29, 1872; *s.* Geo. and Helen (Phillips) W.; reared on farm; *m.* Anna Esther Smith, Mar. 6, 1906; *c.* Jas. Gordon, Doris Marie, Geo. Norman. B.S.A., Univ. Minn., 1900.

Wilson, James French, asst. prof. an. husb., Univ. Calif., Davis, Calif.

From Private to 1st. Lieut. Coast Artillery Reserve Corps, U. S. Army. (Sheep and wool).—*b.* Stewartsville, Ind., Aug. 14, 1892; *s.* John Benson and Nellie (French) W.; *m.* Margaret Arnold, July 19, 1919; *c.* Margaret. B.S., Univ. Wyo., 1913; M.A., Univ. Mo., 1916. Alpha Tau Omega.

Wilson, James Kenneth, prof. soil tech., Cornell Univ., Ithaca, N. Y.

Asst. bact., N. Y. State Exp. Sta., Geneva, 1906-11; asst. bot., Cornell Univ., 1911-4; asst. prof. soil tech., 1914-9; prof., 1919-.—*b.* Maryville, Mo., Aug. 5, 1881; *s.* Perry and Telitha (Prickett) W.; reared on farm; *m.* Ethel May Phelps, 1908; *c.* Geraldine Mary, Kenneth Phelps, Jeanne Marla. B.S., Okla. A.&M. Coll., 1906; Ph.D., Cornell Univ., 1915.

Wilson, James Wilbur, prof. agr. and an. husb. and dir. Exp. Sta., S. D. State Coll., Brookings, S. D.

Asst. prof. agr., Ia. State Coll., 1897; sec. to Sec. Agr., Washington, 1897-1900; present position, 1902-. Sec.-treas. S. D. Improved Live-Stock and Poultry Breeders Assoc.—*b.* Traer, Ia., Feb. 12, 1869; *s.* Jas. and Esther (Wilbur) W.; *m.* Elsie Chappel, Apr. 18, 1906. B.S.A., Ia. State Coll., 1896; M.S.A., 1898.

Wilson, John Melvin, teach. voc. agr., high-sch., Marlin, Tex.

Asst. prof. agrl. educ., Univ. Ark., 1909-10; prof., 1910-1; prof. ext., 1911-3; prof. agron., Distr. Agrl. Sch., Monticello, Ark., 1913-5; agrl. agt., Faulkner Co., 1915-7; teach. voc. agr., Texarkana, 1917-8; present position, 1918-.—*b.* Ark., May 28, 1882; *s.* C. J. and Jennie E. (Moore) W.; reared in town; *m.* Mamie Trent, 1910 (d. 1917); *c.* Mary Elizabeth, John M. Jr. B.S., Univ. Ark., 1907.

Wilson, Joseph Willis, co. agrl. agt., Yerington, Nev.

Dairy and stock farmer, 4 yrs.—*b.* Yerington, Nev., Feb. 16, 1891; *s.* J. I. and Carrie Ellen (Willis) W.; reared on farm. B.S.A., Univ. Nev., 1913. Phi Sigma Kappa.

Wilson, Maryetta, asst. prof. home econ., N. Mex. A.&M. Coll., State College, N. Mex.

Teach., Colo. Sch. Agr., Ft. Lewis Sch. Agr., 1914-9; Univ. Ariz., 1919; present position, 1919-.—*b.* What Cheer, Ia., May 2, 1890; *d.* Lanson Curtis and Mary E. (Leavenworth) W.; reared in town. B.S., Colo. Agr. Coll., 1913. Gamma Phi Beta.

Wilson, Maud Mathes, state home dem. leader, Wash. State Coll., Pullman, Wash.

Instr. home econ., Univ. Neb., 1913-5; in chg. home econ. ext., 1915-8; present position, 1918-.—*b.* Pike Co., Ill., July 6, 1883; *d.* Abraham Key and Mary Jane (Mathes) W.; reared in town. B.S., Univ. Neb., 1913. Omicron Nu.

Wilson, Meredith Chester, agrst., co agt. work for eastern states, States Relations Serv., U. S. Dept. Agr., Washington, D. C.

Asst. agt., Tompkins Co., N. Y., summer 1914; farm manag. dem., Vt. and N. H., 1914-6; co. agt. leader, N. H. Coll., 1916-8; present position, 1918-. (Farm manag.).—*b.* Hebron, N. Y., Sept. 13, 1890; *s.* Henry Robt. and Caroline C. (McMillan) W.; reared on farm; *m.* Mary Ethel Denniston, July 1, 1916; *c.* Meredith C. Jr., Philip Hempstead. B.S., Cornell Univ., 1914.

Wilson, Milburn Lincoln, co. agt. leader, Mont. State Coll., Bozeman, Mont.

Asst. ext. work, Ia. State Coll., 1907-

[illegible] head agr. in agricul., Miss. State Coll., 1913-14; agr. Cornell Co., 1914-15; present position, 1914— Agri. serv. —4 Aubrey, Ia., Oct. 23, 1885; s. John Wesley and Mary Magee. W.: married in farm; w. Ida E. Morse, Dec. 17, 1913. B.S.A., Ia. State Coll., 1905.

Wilson, Robert Samuel, state agr. and asst. dir. ext., Miss. A.&M. Coll., Agricultural College, Miss.

State agr., U. S. Dept. Agr., 1908-14; present position, 1914— Pres., Miss. State Community Congress. —4 Chickasaw Co., Miss., July 24, 1873; s. Wm. H. and Eleanor Malinda. W.: married in farm; w. Fannie Maud Gunter, Dec. 12, 1911; s. Eleanor Frances. B.S., Miss. A.&M. Coll., 1904.

Wilson, Samuel Calhoun, head hort. agr., Sam Houston State Normal Coll., Huntsville, Tex.

Teach. in rural and consolidated schs.; supt. of schs.; teach. summer sch., 1913, Kansas Sch. Country Life, Peacock Coll. —4 Huntsville, Tex., Jan. 5, 1877; s. Jas. Zerd and Ella Louise Calhoun. W.: married in farm; w. Sammie Logan, Nov. 29, 1906; s. Logan Calhoun, Jr., Mary Elizabeth. Grad. Sam Houston Normal Coll.; grad. student, Peacock Coll., 1913-20.

Wilson, Thomas Burrel, farmer and fruit-grower, Hall, Ontario Co., N. Y.

Mem. N. Y. Assembly, 2 yrs.; state senator 4 yrs. Pres. bd. of control, Agr. Exp. Sta., Geneva; mem. bd. trustees, Cornell Univ. and pres. Agr. Coll. Council. Pres. N. Y. State Fruit-Growers Assoc.; exec. com. N. Y. State Agri. Soc.; pres. N. Y. State Bean Growers Assoc.; pres. Assoc. for Adv. Agri. Educ. Traveled in Europe, Asia, 1901. —4 Hall, N. Y., Dec. 12, 1851; s. John Crosser and Catherine Ann Burrel. W.: married in farm; w. Margaret A. Sexton, Feb. 28, 1877; s. Chas. Sexton, John Crosser, Mary Anna.

Wilson, Warren Hugh, minister, 156 Fifth Ave., New York, N. Y.

Ordained Presbyterian minister, 1894; pastor Christ's Church, Quaker Hill, N. Y., 1894-9; Arlington Ave. Church, Brooklyn, 1899-1909; supt. Dept. Church and Country Life, Bd. Home Missions, 1909— assoc. prof. educ., Teachers Coll., Columbia Univ., 1914— Mem. Church and Country Life Com., Fed. Council of Churches of Christ in America; pres. Nat. Country Life Assoc.; trustee, Missionary Agri. Assoc., Lab. Quaker Hill, 1907: The Church of the Open Country, 1911; The Evangelism of the Country Community, 1912; The Church in the Center, 1914; The Second Missionary Adventure, 1911. —4 Tidioute, Pa., May 1, 1867; s. John S. and Elizabeth Hamilton. W.: married in farm and in city; w. Pauline Lane; s. Margaret M., Julius L., John A., Agnes E. A.B., Oberlin Coll., 1890; B.D., Union Theol. Sem., 1894; Ph.D., Columbia Univ., 1898; D.D., Washington Coll., Tenn., 1912; D.D., Oberlin Coll., 1913.

Wilson, Willard M., prof. mechanics, Cornell Univ., Ithaca, N. Y.

Lect., Cornell Univ., 1906; instr., 1907-12; prof., 1912— —4 Emporville, Pa., Jan. 24, 1880; s. Orris and Katherine Mason. W.: married in village; w. Winifred M. Hazen, Apr. 4, 1907; s. Wendell H., Kenneth M. M.D., Memphis Hospital Med. Coll., 1906. Phi Gamma Delta.

Wilson, Willard Ross, st. agr. agt., Woodsville, N. H.

Instr. dairying, N. H. Coll., 1913-5; asst. prof., 1915-6; present position, 1916— Dairying. —4 Emporville, Pa., Apr. 4, 1886; s. Andrew J. and Lina Wilson. W.: married in farm; w. Olive V. Case, May 4, 1917. B.S.A., Cornell Univ., 1912. Alpha Tau Alpha.

Wilson, Willis Ray, clergyman, Princetown, Ill.

Lect. rural church, Epworth League Inst., 1914-5; asst. country church, Chicago Training Sch., 1908. —4 Nora, Ill., Aug. 27, 1880; s. Rice M. and Anna E. Dixon. W.: married in village; w. Anna L. Haas, Dec. 25, 1902; s. Ray, Phyllis, Rice, Paul, Donald, Kathleen. Student Northwestern Univ., Garrett Biblical Inst., Drew Theol. Sem.

Winple, Andrew Jay, farmer and stockman, Spearfish, S. D.

Breeder Winple's yellow dent corn. —4 Stone Arabia, N. Y., Oct. 5, 1851; s. Joseph and Eliza Yates. W.: married in farm; w. Adelia Lechner, July 4, 1877; s. Dilla E., Jesse L., Clara A.

Winchester, Harry Burdett, asst. prof. an. husb., Kans. State Agr. Coll., Manhattan, Kans.

Asst. an. husb., Ia. Exp. Sta., 1917-8; present position, 1918–.—*b.* Wilkes-Barre, Pa., Sept. 3, 1892; *s.* Byron B. and Della (Mandeville) W.; reared in city and on farm; *m.* Edith Voorhees, June 1919. B.S., Ia. State Coll., 1916; M.S., 1917. Phi Sigma Kappa; Alpha Zeta.

Windau, Clayton John, co. agrl. agt., Ottawa, O.

Dairyman, 5 yrs.; fruit-grower, 2 yrs. —*b.* Sandusky, O., June 29, 1887; *s.* Joseph and Minnie (Laux) W.; reared on farm. B.S.A., Ohio State Univ., 1914.

Winegar, Andrew Jesse, co. agrl. agt., Knoxville, Tenn.

b. Church Hill, Tenn., Aug. 13, 1891; *s.* Andrew Jackson and Sarah E. (Grimm) W.; reared on farm; *m.* Anna Evans, July 29, 1917. B.A., Carson & Newman Coll., Jefferson City, Tenn., 1914; B.S.A., Univ. Tenn., 1916. Phi Kappa Phi; Alpha Zeta.

Wing, Cliff Waldron, co. agrl. agt., Boyne City, Mich.

Supt. schs., Mich., 8 yrs.—*b.* Waldron, Mich., Sept. 24, 1886; *s.* Wm. and Anna (Bennett) W.; reared on farm; *m.* Edna L. Vail, Dec. 22, 1910; *c.* Wilma Vail, Wm. Stephen. Grad. Mich State Normal Coll., 1909.

Wing, DeWitt Cosgrove, ed. The Breeders' Gazette, 542 S. Dearborn St., Chicago, Ill.

Farmer, Cooper Co., Mo., 1892-7; Wayne Co., Ill., to present. Invest. livestock, Europe, 1910, British Isles, 1913. —*b.* LaMine, Mo., Feb. 16, 1878; *s.* DeWitt Clinton and Margaret Elisabeth (Kueckelhan) W.; reared on farm. Student Univ. Ill.

Wing, Henry Hiram, prof. an. husb., Cornell Univ., Ithaca, N. Y.

Asst. dir., N. Y. Exp. Sta., 1882-4; instr. agr. and farm supt., Univ. Neb., 1884-8; deputy dir. and sec., Cornell Univ. Exp. Sta., 1888-94; asst. prof. an. ind. and dairy husb., 1891-1903; prof. an. husb., 1903–. Fellow A. A. A. S. Sec. Neb. Dairymens Assoc., 1885-8; pres. N. Y. State Dairymens Assoc., 1909. *Auth.*: Milk and Its Products, 1897. (Dairy cattle).—*b.* New York City, Nov. 29, 1859; *s.* Phineas R. and Mary (Sands) W.; reared on farm; *m.* Lilian Watson, July 16, 1885; *c.* Lois Watson, Paul Watson, Ellen Watson. B.Agr., Cornell Univ., 1881; M.S.A., 1891. Sigma Xi.

Wing, Leon Walton Jr., asst. prof. dairy husb., Ore. Agr. Coll., Corvallis, Ore.

Asst. dairy husb., Univ. Mo., 1915-7; instr. dairy husb., Ore. Agr. Coll., 1917-9; asst. prof., 1919–. Served in aviation sect., U. S. Army, 9 mos.—*b.* Kansas City, Kans., Feb. 13, 1892; *s.* Leon Walton and Nannie Irene (McClelland) W.; reared on farm and in town. B.S.A., Univ. Mo., 1915; M.A., 1917. Sigma Xi; Alpha Zeta; Gamma Sigma Delta; Gamma Alpha.

Wingfield, Laura Marilla, asst. state home dem. agt., N. C. State Coll., Raleigh, N. C.

Sec. N. C. Home Econ. Assoc.; sec. woman's sect., N. C. Farmers and Farm Women's Convention; sec. home econ. sect., N. C. Teach. Assembly.—*b.* Junction City, Kans., Nov. 26, 1894; *d.* G. A. and Mary Ann (Warlick) W.; reared on farm. B.S., Kans. State Agr. Coll., 1914.

Winkjer, Joel G., dairy husb., Bur. An. Ind., U. S. Dept. Agr., Washington, D. C.

Minn. creamery insp., 1905-7, asst. dairyman, U. S. Dept. Agr., 1907-11; dairy and food comnr., Minn., 1911-5; present position, 1915–.—*b.* Moe, Douglas Co., Minn., Dec. 31, 1870; *s.* Gunder T. and Karen Anna (Helle) W.; reared on farm; *m.* Helga Elizabeth Eggen, Aug. 7, 1898; *c.* Guy Archibald, Thelma Halsan. Student Univ. Minn.

Winkler, Charles Herman, prof. agrl. voc. educ., W. Va. Univ., and state dir. voc agr., Morgantown, W.Va.

Instr. agrl. educ., Univ. Tex., 1909-16; teach. agr. and educ., Geo. Peabody Coll., summer 1916; asst. prof. agrl. educ., W. Va. Univ., 1916-7; present position, 1917–.—*b.* The Grove, Tex., Dec. 5, 1878; *s.* Chas. A. and Katherine (Huber) W.; reared on farm; *m.* Adeline Wild; *c.* Bruno Oscar, Max Karl, Chas.

H. Jr. B.S., Univ. Tex., 1904; M.A., 1914; Ph.D., Univ. Mo., 1916. Sigma Xi; Phi Delta Kappa; Sigma Kappa Zeta.

Winright, George L., co. agrl. agt., Salem, S. D.

b. Roswell, S. D., Oct. 26, 1892; *s.* C. S. and Nettie (McCullough) W.; reared on farm. B.S., S. D. State Coll., 1917; M.S., 1918.

Winsor, Luther M., irrig. engin., U. S. Dept. Agr. and Utah Agr. Coll., Logan, Utah.

Agrl. adv., ext. div., Utah Agr. Coll., 1911-2; co. agt., San Luis Valley, Colo., 1912-3; present position, 1913–. Sent to Chile by Guggenheim Bros. to invest. agrl. possibilities, 1919.—*b.* Hebron, Utah, Jan. 21, 1884; *s.* Anson Perry and Sara A. (Terry) W.; reared on farm; *m.* Beatrice Snow, 1914; *c.* Pauline, Beatrice. B.S., Utah Agr. Coll., 1911. Gamma Sigma Delta.

Winter, Wilber McKelvey, specialist in transportation, Bur. Markets, U. S. Dept. Agr., Washington, D. C.

b. Grand Forks, N. D., Dec. 30, 1885; *s.* Jacob Blakeslee and Lida (McKelvey) W.; reared in town and country; *m.* Gladys Potter Hosig, May 16, 1914. Student Univ. Minn., 1903-5.

Winters, Harry Boyd, deputy comnr. agr. and dir. state inst. farms, Dept. Agr., Albany, N. Y.

Sec.-treas. Certified Milk Producers Assoc. of Amer.; treas. N. Y. State Agrl. Soc.; dir. N. Y. State Breeders Assoc.; dir. Holstein-Friesian Breeders Club of N. Y. Owner Nicholls Knitting Mills; pres. Tioga and Nichols Bridge Co.—*b.* Smithboro, N. Y., Oct. 15, 1870; *s.* Joseph and Sarah E. (Carpenter) W.; reared on farm; *m.* Helen M. VanKirk, Dec. 6, 1898; *c.* Lee, Katherine.

Winters, Rhett Youmans, plant-breeding agron., N. C. Exp. Sta., W. Raleigh, N. C.

Asst. bot., Fla. Exp. Sta., 1906-9; asst. plant-breeding, Cornell Univ., 1911; instr., 1912; present position, 1913–.—*b.* Society Hill, S. C., Mar. 9, 1886; *s.* David L. and Dora Sompayrac W.; reared on farm; *m.* Elizabeth Washington Knox, June 18, 1917; *c.* Elsa Smedes. B.S., Clemson Agr. Coll., 1906; M.S., Univ. Fla., 1909; Ph.D., Cornell Univ., 1911. Sigma Xi.

Winzenburg, Louis Marshall, teach. agr., Lewistown, Mont.

Princ. high-sch., Kuna, Ida., 1912-3; deputy state seed insp. for Ida., 1913; instr. agr., Edmonds, Wash., 1913-4; Coulee City, Wash., 1914-5; Sandpoint, Ida., 1915-8; agt. Powell Co., Mont., 1918.—*b.* Sedalia, Mo., Aug. 12, 1885; *s.* A. W. and Angeline (Marshall) W.; reared on farm; *m.* Elizabeth Rockwell, Aug. 17, 1914. B.S.A., Univ. Mo., 1911.

Wirt, Frederick Alfred, sales promotion manag., Emerson-Brantingham Implement Co., Harrisburg, Pa.

With Kans. State Agr. Coll., 1913-7; manag. publicity dept., John Deere Plow Co., Kansas City, 1917-8; prof. farm mech., Md. State Coll., 1918-9; present position, 1920–. Mem. exec. council, Amer. Soc. Agrl. Engin. *Auth.*: A Laboratory Manual in Farm Machinery, 1917.—*b.* Omaha, Neb., Sept. 1, 1891; *s.* Alfred and Frances E. (Banker) W.; reared in town; *m.* Louise Fewell, Nov. 28, 1917. B.Sc. in C.E., Univ. Neb., 1913. Sigma Phi Epsilon; Sigma Tau.

Wisdom, John Abner, instr. voc. agr., high-sch., Chillicothe, Mo.

b. St. Catherine, Mo., Nov. 11, 1884; *s.* John Greenleaf and Mary Fanny (Redding) W.; reared on farm; *m.* Frances Monson, June 18, 1919. B.S.A., Univ. Mo.; grad. student Ohio State Univ.

Wise, Furman Bryant, specialist in grain (rice standardization, Bur. Markets, U. S. Dept. Agr., Washington, D. C.

Farmer, S. C., 1908-10.—*b.* Hyman, S. C., Feb. 6, 1888; *s.* Cornelius McDuffie and Elizabeth Caroline Myers W.; reared on farm; *m.* Cordelia Eleanor Worthington, July 15, 1913. B.S., Clemson Agr. Coll., 1908; M.S., Univ. Wis., 1911.

Wise, Leslie O., co. agrl. agt., Dewitt, Ia.

b. Page Co., Ia., July 20, 1878; *s.* John W. and Neva Reynolds) W.; reared on farm; *m.* Floy M. Foor, Sept. 26, 1907;

c. Mildred, Donald, Mabel, Leslie Jr. B.S., Ia. State Coll., 1913. Alpha Gamma Rho.

Wise, Lewis W., co. agrl. agt., Watseka, Ill.
b. Cerro Gordo, Ill., Dec. 28, 1875; s. Jacob and Elizabeth (Kuns) W.; reared on farm; m. Jane Parker Bowdle, Feb. 16, 1905; c. Margaret, Harriet Bowdle. B.S.A., Univ. Ill., 1904. Alpha Zeta.

Wisker, Aubrey Lee, fruit-grower, nurseryman, farmer, Grass Valley, Calif.
Farmer, Mo., 5 yrs., Nev., 6 yrs.; manag. Loma Rica Nursery, Calif., 1910–; newspaper pub. and commercial printer, Sedalia, Mo., 4 yrs.; mine supt. and manag., N. Mex., Ariz., Nev., 5 yrs. Mem. farm labor com., State Council Nat. Defense. Dir. Calif. Fruit Exchange; vice-pres. Pacific Nurserymens Assoc., 1916; vice-pres. Calif. Nurserymens Assoc., 1919. (Pear culture).—b. St. Louis, Mo., Mar. 24, 1871; s. J. H. M. Van Buren and C. Annie (Lay) W.; reared in city and on farm; m. Josephine Kaiser, Jan. 10, 1895; c. Mildred M., Margaret A., Aubrey N.

Withers, William Alphonso, prof. chem. and vice-pres. N. C. State Coll., and chem. Exp. Sta., W. Raleigh, N. C.
Asst. chem., N. C. Exp. Sta., 1884-8; chem., 1897–; N. C. state chem., 1897-8; acting dir., N. C. Exp. Sta., 1897-9; prof. chem., N. C. State Coll., 1889–; vice-pres., 1916–; dir. summer-sch., 1917–; state statistical agt., U. S. Dept. Agr., 1885-1902, 1905-15. Pres. N. C. sect., Amer. Chem. Soc., 1901-2; pres. N. C. Acad. Sci., 1917-8; pres. Assoc. Official Agrl. Chem. of N. Amer. (Food adulteration, nitrification, cotton-seed toxicity).—b. near Davidson, N. C., May 31, 1866; s. Wm. Banks and Sarah L. (Rutledge) W.; reared on farm; m. Elizabeth Witherspoon Daniel (d.1905); 2d, Jane Hinton Pescud; c. Wm. Banks, Mary Laurens, Wm. A. Jr., John Pescud. A.B., Davidson Coll., N. C., 1883; A. M., 1885; D.Sc., 1917; fellow Cornell Univ., 1889-90. Sigma Xi; Chi Phi; Alpha Chi Sigma.

Wittkorn, Thomas Henry, ed. Practical Farmer, Philadelphia, Pa.
Mem. Penn. State Bd. Agr., 6 yrs. Pres. Del. Co. Agrl. Soc., 6 yrs.—b. Philadelphia, Pa., Nov. 17, 1883; s. Otto G. and Cecilia (Simpson) W.; reared on farm; m. Lidie West, 1910; c. Thos. H. Jr., E. Barnard. B.S.E., Univ. Penn., 1906.

Woglum, Russell Sage, ent., Bur. Ent., U. S. Dept. Agr., Alhambra, Calif.
Instr. ent., N. C. A.&M. Coll., 1905-7; present position, 1907–. Introduced orchard fumigation into Spain, 1910. Traveled in Orient in search of natural enemies of citrus white fly.—b. North Bay, N. Y., Aug. 3, 1882; s. Cornelius and Ella (Godfrey) W.; reared on farm and in city; m. Mabel Frommer Clayton, Apr. 11, 1912. A.B., Cornell Univ., 1904; M.S.A., 1905. Sigma Xi; Gamma Alpha.

Wolcott, George N., ent., San Juan, Porto Rico.
With U. S. Bur. Ent., 1910; traveling ent., Bd. Comn. Agr., Porto Rico, 1912; ent., Insular Exp. Sta., Rio Piedras, Porto Rico, 1914; specialist in insects transmitting diseases of sugar-cane, U. S. Dept. Agr., 1919. Served in Artillery, U. S. Army, with A. E. F.—b. Yorkville, N. Y., July 12, 1889; s. David C. and Marion D. (Benedict) W.; reared in town; m. Magdalen Ames, Apr. 21, 1919. B.S., Cornell Univ., 1909; M.S., 1913.

Wolf, George P., co. agrl. agt., Wahpeton, N. D.
Princ. grade sch., Randen Lake, Wis., 1904-5; instr. high-sch., Grand Rapids, 1910-1; princ. high-sch., Menomonie, 1911-2; instr. chem. and agr., State Sch. Sci., Wahpeton, N. D., 1912-6; princ. Dunn Co. Sch. Agr., Wis., 1917; agt. Richland Co., N. D., 1918–.—b. Wis., Mar. 4, 1883; s. Paul and Anna (Wiesner) W.; reared on farm; m. Frances Mayers, June 18, 1914; c. Geo. P. Jr. B.A., Univ. Wis., 1910; M.A., 1912; B.S., 1917.

Wolf, Paul Macy, co. agrl. agt., Audubon, Ia.
Supt. in chg. field expts., Ia. State Coll., 1917.—b. Dayton, O., Jan. 30, 1888; s. John Edward and Anna (Macy) W.; reared on farm and in city. A.B., Miami Univ., 1913; B.S., Ia. State Coll., 1915. Delta Kappa Epsilon; Phi Kappa Phi; Alpha Zeta; Phi Lambda Upsilon.

Wolfe, Lawrence S., co. agrl. agt., Orangeburg, S. C.

Pres. and manag. Orangeburg Coop. Creamery. Farmer. *Assoc ed.*, Carolina Farmer and Stockman.—*b.* Orangeburg, S. C., Oct. 10, 1887; *s.* L. S. and Lottie (Simmons) W.; reared in city; *m.* Frances Bettis, Nov. 16, 1909; *c.* Frances, Mary, Lawrence S. Jr. B.S., Clemson Agr. Coll., 1907.

Wolfe, Thomas Kennerly, assoc. prof. agron. and assoc. agron. Exp. Sta., Va. Poly. Inst., Blacksburg, Va.

Asst. agron., Va. Poly. Inst., 1914-5; instr., 1915-6; asst. agron. Exp. Sta., 1915-7; present position, 1917-.—*b.* Elkton, Va., July 14, 1892; *s.* J. H. and Elizabeth (Coffman) W.; reared in town and on farm. B.S., Va. Poly. Inst., 1914; M.S., 1915.

Wolff, William Hy., asst. hort., N. H. Exp. Sta., Durham, N. H.

In commercial nursery work with Hoopes Bros. & Thomas Co., West Chester, Pa., 1906-10; present position, 1910-.—*b.* Hamilton, Bermuda, Dec. 24, 1880; *s.* Edward Wm. and Annie Elizabeth (James) W.; *m.* Charlotte A. Tower, 1913; *c.* Emily T., Mary. B.S., Penn. State Coll., 1906; M.S., 1911. Alpha Zeta.

Wolfram, Julius August, co. agrl. agt., Webster Springs, W. Va.

Chem., Blue Valley Creamery Co., Chicago.—*b.* Ft. Atkinson, Wis., Jan. 29, 1892; *s.* John and Sidonia (Kiklow) W.; reared on farm. B.S.A., Univ. Wis., 1918. Tau Kappa Epsilon.

Woll, Fritz Wilhelm, prof. an. nutr., Univ. Calif., Davis, Calif.

Second asst. chem., Wis. Exp. Sta., 1887-90; asst. chem., 1890-7; chem., 1897-1913; asst. prof. agrl. chem., Univ. Wis., 1893-4; assoc. prof., 1904-6; prof., 1906-13; present position, 1913-. Pres. Assoc. Official Agrl. Chem., 1910-1. Visited Scandinavia for U. S. Dept. Agr., 1896; rep. Univ. Wis. at Centennial Celebration Univ. Christiania, 1911. *Auth.*: Grotenfelt, Modern Dairy Practice (Amer. ed.) 1894, 3d ed. 1910; A Book on Silage, 1895, rev. ed. 1900; A Handbook for Farmers and Dairymen, 1897, 6th ed., 1914; (with Farrington) Testing Milk and Its Products, 1897, 24th ed., 1918; Productive Feeding of Farm Animals, 1915; Feed Manual and Note Book, 1917.—*b.* Bergen, Norway, May 23, 1865 (naturalized 1888); *s.* Carsten L. and Mathilde Helene (Krum) W.; reared in town; *m.* Helene Walloe, May 16, 1891; *c.* Margaret Louise, Carsten Lindal, Frederick Krum. B.S., Univ. Christiania, 1882; M.S., Univ. Wis., 1886; Ph.D., 1904.

Womack, Mark S., co. agrl. agt., Monticello, Ga.

Served in U. S. Army, June-Dec. 1918.—*b.* Hohenlinden, Miss.; *s.* H. H. and V. V. (Bingham) W.; reared on farm. B.S., Miss A.&M. Coll., 1912; student Univ. Penn., 1 yr.

Wood, Casper A., assoc. prof. agron., Tex. A.&M. Coll., College Station, Tex.

Teach. sci. and agr., Centerville, Ala., 1911-2; instr. soils, Tex. A.&M. Coll., 1912-4; asst. prof. agron., 1914-5; assoc. prof., 1915-.—*b.* Waseca, Minn., Feb. 2, 1879; *s.* Geo. H. and Jennie M. (Deverell) W.; reared on farm; *m.* Lottie Belle Snyder, Aug. 16, 1905; *c.* Geo. Alanson. B.S., Kans. State Agr. Coll., 1911; M.S., Tex. A.&M. Coll., 1915.

Wood, Diller Clement, asst. prof. farm manag., Univ. Mont., Bozeman, Mont.

Asst. prof. farm manag., Univ. Mont., 1915-6; farm manag. dem., Univ. Mo., 1916-8; present position, 1918-. Sec. Mo. Farm Manag. Assoc., 1915-8. Traveled in Europe.—*b.* Quincy, Ill., Apr. 28, 1883; *s.* Benj. F. and Jewel E. (Turner) W.; reared in town; *m.* Romaine Roach, Aug. 29, 1917. B.S.A., Univ. Mo., 1915. Sigma Nu.

Wood, Leland A., co. agrl. agt., St. Johnsbury, Vt.

Asst., Off. Farm Manag., U. S. Dept. Agr., June-Sept., 1915; agt. Caledonia Co., Vt., 1915-.—*b.* W. Winfield, N. Y., June 6, 1894; *s.* Don J. and Florence L. (Brown) W.; reared on farm. B.S., Cornell Univ., 1915. Sigma Phi Sigma.

Wood, Mildred Loyal, home dem. agt., Ft. Dodge, Ia.

Instr. home econ., Rockford Coll., Ill., 1912-5; high-sch., Sioux City, Ia., 1915-7; home dem agt. Webster Co.,

1917-9.—*b.* Saline ,Mich., Feb. 19, 1892; *d.* Ira E. and Ada C. (Cobb) W.; reared on farm. A.B., Rockford Coll., 1912.

Wood, T. Gilbert, agrl. agt., Norfolk and Western Ry. Co., Roanoke, Va.
Student asst. field crops and bot., Va. Poly. Inst., 1900-3; instr. hort. and bot., 1903-5; assoc. prof., 1905-8; dir. agrl. educ., 4th and 6th Congressional distrs., Va., 1908-12; agrl. agt., Southern Ry. system, 1912-7; present position, 1917–. —*b.* Albemarle Co., Va., July 10, 1881; *s.* T. D. and Susie (Gilbert) W.; reared on farm; *m.* Anne Virginius Bidgood, May 14, 1914. B.S., Va. Poly. Inst., 1901; M.S., 1903.

Woodbury, Charles Goodrich, head. bur. raw products research, Nat. Canners Assoc., Washington, D. C.
Asst. hort., Purdue Exp. Sta., 1906-8; assoc., 1908; asst. prof. hort., Purdue Univ., 1909-11; head dept., 1911-7; dir. Ind. Exp. Sta., 1917-20. Sec. Ind. Hort. Soc., 1909-11 ,pres., 1913-7; sec. Ind. Apple Show Com., 1911-3. Fellow A. A. A. S. (Hort.).—*b.* Portland, Mich., Apr. 30, 1884; *s.* Chester Downer and May (Goodrich) W.; reared in town and country; *m.* Marion Benjamin, June 23, 1908; *c.* Barbara Anne, Richard Benj. B.S., Mich. Agr. Coll., 1904; M.S., 1906. Sigma Xi; Alpha Zeta; Alpha Gamma Rho.

Woodman, David, co. agrl. agt., Cassopolis, Mich.
Agrl. agt., Alpena Co., Mich., 1916-7; Cass Co., 1918–.—*b.* Paw Paw, Mich., Aug. 9, 1887; *s.* Jason and Fannie (Buckhout) W.; reared on farm; *m.* Verna Beach, Dec. 1, 1914; *c.* Robt., Margaret. Student Mich. Agr. Coll., 3 yrs.

Woods, Albert Fred, pres. Md. State Coll., College Park, Md.
Asst. bot., Univ. Neb., 1890-3; asst. chief and physiologist, Div. Veg. Path., U. S. Dept. Agr., 1894-9; chief Div. Veg. Physiology and Path., 1899-1900; chief path. and physiologist and asst. chief Bur. Plant Ind., 1900-10; dean and dir. agr. and for., Univ. Minn., 1910-7; present position, 1917–. Fellow A. A. A. S. U. S. del. to Inst. Agr., Rome, 1905; Intern. Bot. Congress, Vienna, 1905. Mem. exec. com., div. biol. and agr. and states relations, Nat. Research Council; chm. com. on agr., Md. State Council of Defense; mem. Md. State Bd. For.; mem. exec. com., S. Colonization and Development Assoc.; mem. exec. bd., Nat. Assoc. Comnrs. Agr. *Auth.*: Flora of Nebraska, 1894. (Phytopath., plant physiol.).—*b.* Belvidere, Ill., Dec. 25, 1866; *s.* Fred M. and Eliza O. (Eddy) W.; reared on farm; *m.* Bertha Gerneaux Davis, June 1, 1898; *c.* Mark Winton, Winton DeRuyter. B.Sc., Univ. Neb., 1890; A.M., 1892; D. Agr., 1913. Sigma Xi; Gamma Sigma Delta; Alpha Zeta.

Woods, Charles Dayton, dir. Me. Exp. Sta., Orono, Me.
Asst. chem., Wesley Univ., 1880-3; teach. sci., Wesleyan Acad., Wilbraham, Mass., 1883-8; chem. and vice-dir. Storrs Exp. Sta., 1888-96; food expert, U. S. Dept. Agr., 1894-1908; prof. agr., Univ. Me., 1896-1903; dir. Exp. Sta., 1896–. Fellow A. A. A. S.—*b.* Brooks, Me., Sept. 11, 1856; *s.* Henry Jordam and Maria N. (Colcord) W.; reared in village; *m.* Mary Morgan, June 1, 1882; *c.* Harry Morgan, Wm. Colcord. B.S., Wesleyan Univ., 1880; Sc.D., Univ. Me., 1905. Phi Beta Kappa; Phi Kappa Phi; Chi Psi.

Woods, Harry Morgan, princ. and instr. agr., Freedom Acad., Freedom, Me.
Farmer, 1910-2; Brewer, Me., 1912-4; present position, 1916–. Sergeant Field Artillery, U. S. Army, 1917-8; 2d Lieut. Tank Corps, 1918-9; served with A.E.F. —*b.* Middletown, Conn., Mar. 27, 1890; *s.* Chas. D. and Mary (Morgan) W.; reared in village; *m.* Annie H. Gilbert, Sept. 24, 1913; *c.* Nancy C. B.A., Univ. Me., 1909. Kappa Sigma.

Woodward, Edwin Garver, prof. dairying, Wash. State Coll., Pullman, Wash.
Asst. dairying, Univ. Mo., 1911-3; adj. prof., Univ. Neb., 1913-4; asst. prof., 1914-5; assoc. prof., 1916-7; prof., 1917; prof., Univ. Nev., 1917; present position, 1918–. *Assoc. ed.*, Journal of Dairy Science.—*b.* Brunswick, Mo., Apr. 7, 1890; *s.* Joseph and Agnes (Smutz) W.; reared on farm; *m.* Lucille Matthews, Oct. 3, 1913; *c.* Ruth, Doris. B.S., Univ. Mo., 1911; M.S., 1913. Sigma Xi; Alpha Zeta; Phi Kappa Phi.

Woodward, Karl Wilson, for., N. H. State Coll., Durham, N. H.

With U. S. For. Serv., 1904-15; present position, 1915–.—*b.* Detroit, Mich., July 24, 1881; *s.* R. S. and Martha (Bond) W.; reared in town; *m.* Olive Smith, Sept. 11, 1909. A.B., Cornell Univ., 1904; M.F., Yale Univ., 1904.

Woodward, Thompson Elwyn, supt. U. S. Dairy Div. Exp. Sta., Beltsville, Md.

Asst. prof. in chg. dairy husb., Utah Agr. Coll., 1908-10; present position, 1913–.—*b.* Brunswick, Mo., Jan. 10, 1884; *s.* Joseph and Agnes (Smutz) W.; reared on farm; *m.* Ethel C. Chappel, Apr. 10, 1915; *c.* Elwyn Chappel. B.S.A., Univ. Mo., 1907; M.S.A., 1911. Sigma Xi.

Wooton, Elmer Ottis, agrst., Off. Farm Manag., U. S. Dept. Agr., Washington, D. C.

Biol. and bot., N. Mex. A.&M. Coll., 1890-6, 1898-1911; special agt., U. S. Dept. Agr., summers 1900-2, 1904, 1909-10; present position, 1911–. Fellow A. A. A. S. *Joint auth.*: Flora of New Mexico. —*b.* Kokomo, Ind., Sept. 19, 1865; *s.* Wm. S. and Docia (Strattan) W.; reared in city and country; *m.* Itasca Frame, Aug. 19, 1891; *c.* Esther. B.S., Earlham Coll., Richmond, Ind., 1889; A.M., 1896; grad. student, Columbia Univ., 1896-8.

Worden, George Newton, co. agrl. agt., Ellsworth, Me.

Princ. agrl. high-sch., 1913-4.—*b.* St. Stephen, N. B., Nov. 13, 1889 (naturalized 1913); *s.* Newton S. and Carrie (Sprague) W.; reared on farm; *m.* Velma N. Bragdon, Aug. 25, 1917. B.S.A., Univ. Me., 1913. Delta Tau Delta; Alpha Zeta.

Working, Daniel Webster, dean and dir. Coll. Agr. and Exp. Sta., Univ. Ariz., Tucson, Ariz.

Ed. Colo. Farmer and Live-Stock Journal, 1889-91; sec. Colo. State Bd. Agr. and Agr. Coll., 1893-7; farming and agr. journalism, 1897-1905; co. supt. schs., Arapahoe Co., Colo., 1905-7; supt. agrl. ext., W. Va. Univ., 1907-11; expert and agrst., Off. Farm Manag., U. S. Dept. Agr., 1911-4; agrst., Off. Ext. Work N. and W., 1914-9; present position, 1919–.—*b.* Belle Plaine, Minn., 1862; *s.* D. W. and Elizabeth (Gunderson) W.; reared on farm; *m.* Ella Grace Booth, Nov., 1892; *c.* Holbrook, Earl Booth, Elmer Joseph. B.Sc., Kans. State Agr. Coll., 1888; A.M., Univ. Denver, 1907.

Works, George Alan, prof. rural educ., Cornell Univ., Ithaca, N. Y.

Princ. high-sch., Menomonie, Wis., 1904-7; supt. public schs., 1907-10; instr. agrl. educ., Univ. Wis., 1912-3; asst. prof. agrl. educ., Univ. Minn., 1913-4; present position, 1914–.—*b.* Augusta, Wis., May 14, 1877; *s.* Obadiah and Clara E. (Perry) W.; reared on farm; *m.* Saidee B. Coerper; *c.* Helen, Janet, Ruth Mary, Geo. A. Jr. Ph.B., Univ. Wis., 1904; M.S.A., 1912. Phi Beta Kappa; Phi Delta Kappa; Alpha Zeta; Delta Upsilon.

Wormington, Lisle J., co. agrl. agt., Neosho, Mo.

Instr. high-sch., Hannibal, Mo.—*b.* Monett, Mo., Mar. 9, 1893; *s.* J. H. and Dona (Jeffries) W.; reared on farm; *m.* Zelma B. Hale, Apr. 13, 1917; *c.* Deane Hale. B.S., Univ. Mo. Sigma Phi Epsilon.

Worrell, Joseph Loyd, co. agrl. agt., Falls City, Neb.

Teach. agr., high-sch., Hastings, Mich., 1913-4; Enterprise, Ore., 1914-7; Anoka, Minn., 1917; agt. Richardson Co., Neb., 1919–. Private, Field Artillery, U. S. Army, World War. (An. husb.).—*b.* Bowen, Ill., Nov. 24, 1886; *s.* Robt. E. and Lillian T. (Smith) W.; reared on farm. B.S., Univ. Ill., 1913.

Worsham, William Archer Jr., prof. agrl. chem., Univ. Ga., Athens, Ga.

Tutor, Univ. Ga., 1903-4; teach., Gordon Inst., 1904-5; Ga. Military Acad., 1905-7; teaching fellow, Harvard Univ., 1908-9; present position, 1910–. Fellow A. A. A. S.—*b.* Monroe Co., Ga., Mar. 9, 1878; *s.* W. A. and Sarah Emma (Zellner) W.; reared on farm. B.S., Univ. Ga., 1903; A. M., Harvard Univ., 1908. Sigma Nu.

Worst, John H., ex-pres. N. D. Agr. Coll., Agricultural College, N. D (Los Angeles).

Supt. schs., Emmons Co., N. D., 1883-9; state senator, 1889-94; lieut.

gov., 1895-7; pres. N. D. Agr. Coll., 1895-1917.—*b.* Ashland Co., O., Dec. 23, 1850; *s.* Geo. and Margaret (Martin) W.; *m.* Susan Wohlgamuth, Oct. 1872. LL.D., Ashland Univ.

Worthen, Edmund Louis, ext. prof. soil tech., Cornell Univ., Ithaca, N. Y.

With Ill. Soil Survey, 1904-6; sci. asst., U. S. Bur. Soils, 1906-9; with N. C. Dept. Agr., 1909-12; assoc. prof. agron., Penn. State Coll., 1912-9; present position, 1919–.—*b.* Wilcox Twp., Ill., Oct. 5, 1882; *s.* Geo. Byron and Mary (Bedell) W.; reared on farm; *m.* Xenia Woolman, Nov. 5, 1908; *c.* Rachel Daura, Albert Woolman, Elizabeth Jane. B.S., Univ. Ill., 1904; M.S., Cornell Univ., 1908. Alpha Zeta.

Worthington, William, minister, Deer Park, Wash.

Princ. Puget Sound Acad., 1905-6; teach. econ., Whitman Coll., 1907-10. *Assoc. ed.*, Encyclopedia of Practical Horticulture, 1914.—*b.* Grove Lake, Minn., July 13, 1871; *s.* Leslie and Sarah Smith (Lewis) W.; reared on farm; *m.* Carrie Amelia Palmer, Aug. 28, 1901; *c.* Leora, Helen. A.B., Whitman Coll., 1900; B.D., Chicago Theol. Sem., 1904.

Wray, John Dudley, state and U. S. farm makers club agt., Agr. and Tech. Coll., Greensboro, N. C.

Formerly teach. agr., Tuskegee Inst., Agr. and Tech. Coll., Greensboro and Lincoln Inst., Ky.—*b.* Roxboro, N. C., Dec. 10, 1877; *s.* Sidney and Sarah W. (col.); reared on farm; *m.* Annie Bell Harris, 1909; *c.* John D. Jr., Richard H., Washington D., Thelma Merline, Emmett Jas. Moton. B.Agr., Agr. and Tech. Coll., 1909; M.S.A., 1919.

Wright, Andrew Hamilton, asst. prof. agron., Univ. Wis., Madison, Wis.

Teach. agr., high-sch., Lyons, Kans., 1908-9; asst. agron., Okla. A.&M. Coll., 1910-4; present position, 1915–. Sec. Wis. Hemp Order, 1916–. (Fibers, sorghum).—*b.* Mankato, Kans., Oct. 22, 1887; *s.* Thos. N. and Martha J. (Young) W.; reared on farm. B.S., Kans. State Agr. Coll., 1908; M.S., Univ. Wis., 1915.

Wright, Arthur Davis, superv. negro rural schs. of Va., Richmond, Va.

Supt. schs., Fredericksburg, Va. and Henrico Co., Va. Mem. Moseley Comn. to visit England, 1908.—*b.* Boston, Mass., Mar. 24, 1885; *s.* (adopted) John and Margaret (Snell) W.; reared on farm; *m.* Mayme Morris Rowe, Oct. 25, 1910; *c.* Mary Morris, Margaret Elizabeth. B.A., M.A., Coll. of William and Mary, 1904. Phi Beta Kappa; Theta Delta Chi.

Wright, Edgar Allan, ed. The Florida Grower, Tampa, Fla.

Treas. Florida Growers Publishing Co.; treas. Buckeye Lime Growers Assoc.; pres. Buckeye Orange Growers Assoc. *Assoc. ed.*, Pacific Fruit World and Western Empire, Los Angeles, 1904-7.—*b.* Lewiston, Me., May 17, 1867; *s.* Robt. and Regina (Garner) W.; reared in city; *m.* Marcia Ella Lowell, Sept. 1, 1898.

Wright, Elbert B., co. agrl. agt., Lewisburg, Tenn.

b. Fayetteville, Tenn., Jan. 25, 1893; *s.* W. H. and Lou (Dooley) W.; reared on farm. Student Univ. Tenn., 3 yrs. Alpha Zeta.

Wright, James Kelly, lect., Mo. State Bd. Agr., Columbia, Mo.

Teach. math. and sci., Columbia Normal Acad., 1905-7; Univ. high-sch., 1908; co. comnr. schs. and co supt. schs., Boone Co., 1907-11; lect., Mo. State Bd. Agr., 1911–.—*b.* Boone Co., Mo., Oct. 25, 1878; *s.* Paul M. and Rebecca E. (Haden) W.; reared on farm; *m.* Nancy G. Fish, Dec. 24, 1905; *c.* Esther Rebecca, J. Kelly Jr., Wm. Edmondson, Paul Morris. A.B., Columbia Normal Acad., 1902; B.S.A., Univ. Mo., 1909. Alpha Zeta.

Wright, Lewis H., asst. prof. physiology and pharmacology, Tex. A.&M. Coll., College Station, Tex.

Instr. med., Cornell Univ., 1915-6; present position, 1916–.—*b.* Logan, N. D., July 9, 1894; *s.* Lewis H. and Agnes J. (Gilmour) W.; reared on farm and in town; *m.* Alice C. Collins, Aug. 9, 1915; *c.* Lewis David. D.V.M., Cornell Univ., 1914. Omega Tau Sigma.

Wright, Lorenzo H., farmer, 5603 Lowell Ave., Indianapolis, Ind.

Asst. chem., Ind. State Normal, 1893-4; head sci. dept., high-sch., Frankfort, Ind., 1885-6. Master Ind. State Grange; chm. Ind. State Highway Comn.—*b.* Jonesville, Ind., Dec. 4, 1868; *s.* Austin B. and Ruth M. (Shumway) W.; reared on farm; *m.* Vinnie R. Thompson, Dec. 25, 1894; *c.* Fern, Mabelle. Grad. Ind. State Normal, 1894.

Wright, Morris Harry, co. agrl. agt., Ashland, Wis.

Asst. agrl. ext. agt., N. Pacific Ry., 1914; blasting dem., DuPont Powder Co., 1916-7. (Blasting for agrl. purposes).—*b.* New London, Wis., Nov. 27, 1893; *s.* S. E. and Emma (Millerd) W.; reared in town. B.S., Univ. Wis., 1917. Alpha Sigma Phi.

Wright, Sewall, sr. an. husb., Bur. An. Ind., U. S. Dept. Agr., Washington, D. C.

(An. genetics).—*b.* Melrose, Mass., Dec. 21, 1889; *s.* Philip G. and Elizabeth Quincy (Sewall) W.; reared in city. B.S., Lombard Coll., 1911; M.S., Univ. Ill., 1912; S.D., Harvard Univ., 1915.

Wright, Thomas Henry Jr., asst. prof. dairy manufactures and dairy bact. Exp. Sta., S. D. State Coll., Brookings, S. D.

Instr., Wash. State Coll., 1914-6; asst. prof., 1916-7; instr., S. D. State Coll., 1917-8; asst. prof., 1918–.—*b.* Ft. Dodge, Ia., Feb. 1, 1892; *s.* Thos. H. and Fannie M. (Baker) W.; reared in town; *m.* Jean A. Sloss, June 5, 1915; *c.* Thos. Sloss. B.S., Ia. State Coll., 1914. Sigma Alpha Epsilon; Alpha Zeta; Phi Kappa Phi.

Wright, Wilbur William, co. agrl. agt., Eureka, Kans.

b. Washington Co., Pa., Sept. 11, 1890; *s.* Jas. Whitten and Nancy Emeline (Whitely) W.; reared on farm. B.S., Kans. State Agr. Coll., 1917. Sigma Nu; Alpha Zeta.

Wright, William Harmon, asst. prof. agrl. bact., Univ. Wis., Madison, Wis.

Asst. bact., Univ., Wis., 1909-11; instr., 1911-5; asst. prof. agrl. bact., 1916–. Special field survey on potato diseases for Bur. Plant Ind., summers 1918-9. *Auth.*: (with E. G. Hastings) Laboratory Manual of General Agricultural Bacteriology, 1920.—*b.* Bartholomew Co., Ind., July 8, 1885; *s.* John Wynn and Elizabeth (Harmon) W.; reared on farm; *m.* Edna Fisher, June 11, 1908; *c.* Alice Elizabeth, John Fisher. B.S., Purdue Univ., 1908; M.S., Univ. Wis., 1909; grad. student, Cornell Univ., 1915-6. Sigma Xi; Gamma Alpha; Acacia.

Wright, William Joseph, ext. prof. rural educ. and state leader jr. ext., Cornell Univ., Ithaca, N. Y.

Engaged in practical hort., Pacific Coast, 1904-7; asst. to pres., Mich. Agr. Coll., 1907-9; asst. prof. hort., Penn. State Coll., 1909-12; dir. N. Y. State Sch. Agr., Alfred Univ., 1912-8; present position, 1918–. *Auth.*: Greenhouses, Their Construction and Equipment, 1917. *Assoc. ed.*, National Stockman and Farmer.—*b.* Plainfield, Mich., June 6, 1881; *s.* Frank L. and Emma J. (Braley) W.; reared on farm; *m.* Gladys Mapes, Aug. 4, 1904. B.S., Mich. Agr. Coll., 1904; M.S., Penn. State Coll., 1912. Alpha Zeta.

Wyant, Lydia Zae Northrup, research assoc. bact., Mich. Agr. Coll., E. Lansing, Mich.

Princ. Thompsonville high-sch., Mich., 1906-7; asst. bact., Mich Agr. Coll., 1907-8; instr., 1908-13; asst. prof., 1913-8; research assoc., 1918–. *Auth.*: (with Giltner) Microbiology, 1916.—*b.* Thompsonville, Mich., June 24, 1884; *d.* Orrin Mead and Alice Gertrude (Burlingame) Northrup; reared on farm; *m.* Royce Willard Wyant, Sept. 12, 1919. B.S., Mich. Agr. Coll., 1906; M.H.E., Mich. Agr. Coll., 1913; A.M., Univ. Mich., 1914. Omicron Nu.

Wyatt, Frank Archibald, prof. soils, Univ. Alberta, Edmonton, Alta.

Fellow agr., Univ. Ill., 1913-5; asst., 1915; instr., 1916; assoc., 1917; asst. prof., 1918; present position, 1919–. —*b.* Wellsville, Utah, Feb. 22, 1886; *s.* F. H. and Elizabeth (Archibald) W.; reared on farm; *m.* Genevieve Hoff, Sept. 21, 1914; *c.* Marjorie Jean. B.S., Utah Agr. Coll., 1910; M.S., Univ. Ill., 1913; Ph.D., 1915. Gamma Sigma Delta; Kappa Delta Phi.

Wylie, Charles Elmer, prof. dairying, Univ. Tenn., Knoxville, Tenn.

Asst. dairying, Univ. Tenn., 1916-7; asst. prof., 1917-8; prof., 1918–.—*b.* Cincinnati, O., Apr. 30, 1890; *s.* Frank S. and Cora (Jones) W.; reared on farm; *m.* Naomi Marie Henry, June 13, 1918. B.S.A., Ohio State Univ., 1915; A.M., Univ. Mo., 1916. Gamma Alpha.

Wyman, Lenthall, asst. prof. for., Tex. A.&M. Coll., College Station, Tex.

For. asst. and for. examiner, U. S. For. Serv., 1914-9; present position, 1919–. Private, U. S. Army, 1918.—*b.* Boston, Mass., Dec. 20, 1888; *s.* Louis Jackson and Annie Lenthall (Crocker) W.; reared in city; *m.* Josephine Fuzzard Cannon, Apr. 20, 1917. A.B., Harvard Univ., 1911; M.F., 1914.

Y

Yates, Emmett Maurice, co. agrl. agt., Tucumcari, N. Mex.

Princ. high-sch., Lathrop, Mo., 1911-3; Tucumcari, 1916-7; agrl. agt. Quay Co., N. Mex., 1917–.—*b.* Agency, Mo., May 23, 1890; *s.* E. M. and Jessie Lea (Boone) Y.; reared on farm and in town; *m.* Mildred Frazier, Dec. 27, 1916; *c.* Mary Jane. B.Pd., Mo. State Teach. Coll., Warrensburg, 1910; B.S., Univ. Mo., 1916. Acacia.

Yeager, William G., co. agrl. agt., Lexington, N. C.

Manag. fruit plantation, Falfurrias, Tex., 1909-10; manag. orchard, Medford, Ore., 1911-3; hort., Markham, Va., 1914-5; co. agt., 1916–. (Commercial orcharding).—*b.* Sprankle Mills, Pa., Oct. 1, 1882; *s.* John Geo. and Araminta L. (Thompson) Y.; reared on farm; *m.* Edith Grace Rasor, Nov. 10, 1915; *c.* Eunice Hope, Fern, Lois. B.S., Ohio State Univ., 1908.

Yeaw, Frederick Loring, farmer, Roswell, N. Mex.

With U. S. Bur. Soils, 1906; plant path., Univ. Calif., 1906-11; asst. prof. market gard., Mass. Agr. Coll., 1911-3; farm manag., Roswell, N. Mex., 1913–; manag. Oasis Farm and Orchard Co., Inc., 1913–. Pres. Chaves Co. Farm Bur., 1917. State del. to Nat. Good Roads Convention and Nat. Farm Congress. *Auth.*: Market Gardening, 1913.—*b.* Worcester, Mass., Mar. 13, 1882; *s.* Chas. S. and Eva E. (Perry) Y.; reared on farm; *m.* Nita H. Hanson, Sept. 18, 1907; *c.* Floyd, Kathryn, Dan. B.S., Mass. Agr. Coll., 1905. Phi Sigma Kappa.

Yerkes, Arnold Phipps, ed. Tractor Farming, 606 S. Michigan Ave., Chicago, Ill.

Sci. asst. agron., asst. agrst., agrst. in chg. equipment invests., Off. Farm Manag., U. S. Dept. Agr., 1912-8. (Farm power).—*b.* Davisville, Pa., Feb. 8, 1885; *s.* Arthur W. and Margaret (Hallowell) Y.; reared on farm; *m.* Arline Osgood, June 11, 1907 (d. 1911); 2d, Rebecca Moon, Sept. 2, 1914; *c.* Carolyn Margaret.

Yocum, Trell W., manag. ed., Farm and Fireside, 381 Fourth Ave., New York, N. Y.

Assoc. ed., Ohio Farmer, 1914-7; in chg. trade and tech. press information, U. S. Food Adminis., 1917-8; present position, 1919–.—*b.* Mechanicsburg, O., Apr. 6, 1893; *s.* J. D. and Lulu (White) Y.; reared in country; *m.* Helen Taft Woodbury, Apr. 20, 1918. Student Ohio State Univ., 1911-4. Phi Delta Theta.

Yoder, Peter A., sugar-cane tech., Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Assoc. prof. chem. and assoc. chem. Exp. Sta., Utah Agr. Coll., 1901-5; prof. chem. and dir. Exp. Sta., 1905-7; research chem., La. Sugar Exp. Sta., 1908-10; asst. chem., U. S. Bur. Chem., 1910-3; sugar-cane tech., U. S. Bur. Plant Ind., 1913–. Traveled in Europe, 1899-1901; Orient, Australia, New Zealand, India, Egypt, Europe, 1907-8. (Sugar-cane growing and sirup-making).—*b.* LaGrange Co., Ind., Aug. 21, 1867; *s.* Reuben and Harriet (Riehl) Y.; reared on farm; *m.* Amelia A. Vance, July 25, 1894. A.B., Ind. Univ., 1894; A.M., 1896; Ph.D., Univ. Goettingen, 1901.

Yoke, John Jonathan, asst. prof. an. husb. and acting head dept., W. Va. Univ., Morgantown, W. Va.

Instr. an. husb., Univ. Ill., 1914-5; instr. an. husb. and asst. Exp. Sta., W. Va. Univ., 1915-6; asst. prof. horse and

swine husb., 1916-7; present position, 1917-.—*b.* Acton, Ind., July 11, 1878; *s.* Jonathan and Isabelle (Moore) Y.; reared on farm. B.S.A., Univ. Ill., 1914.

Yothers, Merrill Arthur, specialist in apple insect invests., U. S. Dept. Agr., Medford, Ore.

Asst. and instr. ent., Mich. Agr. Coll., 1908-10; asst. ent., Wash. State Coll., 1910-7; present position, 1917-.—*b.* Ashton, Ill., Dec. 18, 1883; *s.* Levi and Arthusa (Wood) Y.; reared on farm; *m.* Beatrice Marie Washburn, Apr. 5, 1908; *c.* Lewis Arthur, Laura Belle, Robt. Austin, Beatrice Caroline, Cynthia Maude, Howard Everett. B.S., Univ. Ida., 1907; M.S., Wash. State Coll., 1915.

Young, Clifton Richard, co. agrl. agt., Dakota City, Neb.

Teach. and farm manag., S. Christian Inst., Edward, Miss., 5 yrs.; farmer, Mo., 3 yrs.; present position, 1917-.—*b.* Geneseo, Ill., July 8, 1877; *s.* Adam and Mary E. (Hill) Y.; reared on farm; *m.* Bessie I. Carr, May 22, 1910; *c.* Candace M., Catherine E. B.S.A., Ia. State Coll., 1909.

Young, Duncan Francis, assoc. ed. Gulf States Farmer, 5316 Camp St., New Orleans, La.

Auth.: Thoughts in Verse, 1902; Behind the Grille, 1903; The Fiction Writer's Workshop, 1912. *Ed.* and manag., Evening News, New Orleans.—*b.* Covington, La., July 20, 1862; *s.* Benj. Franklin and Martha Ann (Edwards) Y.; reared on farm; *m.* Zilla Edwards; *c.* Franklyn Parker.

Young, H. Earl, sec. Ill. Farmers Inst., State House, Springfield, Ill.

Sec. Ill. Farmers Inst., 1917-; dir., 1909-17. Superv. dairy ext., for U. S. Dept. Agr., 1916-7. Dir. and sec. Nat. Alfalfa Growers Assoc. *Ed.*, Farmers' Review, Chicago, 1908-15; Farmers' Guide, Huntington, Ill., 1902-8. Farmer, Mich., 1902-.—*b.* Mason, Mich., July 5, 1879; *s.* Robt. R. and Laura (Miner) Y.; reared on farm; *m.* Mabel McCormick, Dec. 30, 1903; *c.* Marian Elizabeth, Robt. McCormick. B.S., Mich. Agr. Coll., 1902.

Young, Horace J., asst. co. agt. leader, Univ. Neb., Lincoln, Neb.

Instr. agron., Univ. Neb., 1911-2; adj. prof., 1912-3; asst. prof., 1913-7; present position, 1917-. Traveled 3 mos. in Europe, studying agr. *Auth.*: (with Barker) Soils Laboratory Manual, 1915.—*b.* N. Bend, Neb., Mar. 10, 1888; *s.* S. W. and Anna E. (Watson) Y.; reared on farm; *m.* Cleo Myrtle Cather, Aug. 1, 1916. B.S.A., Univ. Neb., 1911. Alpha Zeta.

Young, Malcolm Russell, instr. voc. agr., high-sch., Lewes, Del.

Superv. sch. gardens, Elizabeth, N. J., 1918; present position, 1919-.—*b.* Beesleys Point, N. J., Jan. 22, 1897; *s.* Willard and Lizzie (Sack) Y.; reared on farm. B.S., Rutgers Coll., 1919.

Young, Paul Rexford, teach. agr., Highland, N. Y.

Asst. teach. agr., high-sch., Spencer, N. Y., 1915-6; asst. hort., State Sch. Agr., Delhi, 1916-7; princ. and teach. agr., Bethlehem Sch. Agr., Delmar, N. Y., 1917-8.—*b.* Auburn, N. Y., Jan. 12, 1895; *s.* Geo. K. and Minnie L. (Quick) Y.; reared in city and country; *m.* Hazel B. Jones, Sept. 16, 1916; *c.* Richard Keith. B.S., Cornell Univ., 1916.

Young, Robert Armstrong, plant introducer, Bur. Plant Ind., U. S. Dept. Agr., Washington, D. C.

Florist, Ohio State Univ., 1906-7. Visited Hawaii to invest. taro ind., 1913. (Subtropical root-crops).—*b.* Cleveland, O., Oct. 30, 1876; *s.* John Lawrence and Kate P. (Thompson) Y.; reared in city and on farm; *m.* Ida Marie Renkel, Apr. 4, 1904. B.Sc., Ohio State Univ., 1906.

Young, Ryland Fletcher, dairy farmer, Georgetown, Tex.

Prof. romance languages, Southwestern Univ., 1880-1915; emeritus prof., 1915-. Raiser registered Jersey cattle, Georgetown. Del. Tex. State Farmers Congress; sec. Williamson Co. Farmers Inst.; organizer and dir. Farmers State Bank, Georgetown. Traveled in Europe and Mex.—*b.* Fayette Co., Tex., Sept. 30, 1858; *s.* Wesley D. and Armina M. (Ivey) Y.; reared on farm and in town;

m. Effie Patterson; *c.* Ryland F. Jr., Jas. Booty, Wesly Barbee, Walter Patterson, Paul Patterson. A.B., A.M., Southwestern Univ., 1880.

Young, Vive Hall, prof. and head plant path. and bot. and plant physiologist Exp. Sta., Univ. Ida., Moscow, Ida.

Asst. and fellow bot., Univ. Wis., 1913-6; asst. prof. bot., Univ. Ia., 1916-8; asst. plant path., U. S. Dept. Agr., 1918; present position, 1918-. In Govt. Serv., Bur. Educ. in Philippines, 1908; traveled in Orient, Europe, 1911.—*b.* Whitewater, Wis., Dec. 5, 1887; *s.* Chas. and Louie Estelle (Hall) Y.; reared on farm; *m.* Amy Anna Downie, June 16, 1917; *c.* Robt. Bruce. Ph.B., Univ. Wis., 1913; Ph.M., 1914; Ph.D., 1916. Phi Beta Kappa; Sigma Xi.

Young, William James, assoc. hort., S. C. Exp. Sta., Clemson College, S. C.

Teach. sci., high-sch., Geneva, N. Y., 1904-5; sci. asst., U. S. Dept. Agr., 1906-12; asst. hort., Wash. Exp. Sta., 1912-4; asst. hort., Del. Exp. Sta., 1917-8; assoc. prof. hort., Clemson Agr. Coll., 1918-9; present position, 1919-. Traveled in China, India, Medit. countries, 1910. (Plant-breeding, econ. bot.).—*b.* Youngs, N. Y., Aug. 19, 1880; *s.* Jas. W. and Esther (Dicks) Y.; reared on farm; *m.* Alice E. Eells, Jan. 25, 1906; *c.* Esther Jannette, Spencer Meade, Sheldon Jas., Arthur Eells. B.S., Syracuse Univ., 1904; M.S., Wash. State Coll., 1913. Phi Beta Kappa.

Young, Winnifred, home dem. agt., Tarboro, N. C.

Asst. emergency distr. home dem. agt., Delta Distr., Miss., 1914; home dem. agt., Scott Co., Ark., 1917-8. Student nurse, 1918-9.—*b.* Victoria, Miss., May 6, 1897; *d.* S. Y. and Annie (McCutcheon) Y.; reared on farm. M.P., Miss. Univ. for Women, 1916; B.S., 1917.

Youngblood, Bonney, dir. Tex. Exp. Sta., College Station, Tex.

Manag. Smith Ranch, Grayson Co., Tex., 1903; princ. high-sch., Henderson, Tex., 1903-5; Mineola, 1905-6; supt. schs., Pauls Valley, Okla., 1906-7; asst. agr., Off. Farm Manag., U. S. Dept. Agr., 1907-11; present position, 1911-. Served in Spanish-Amer. War.—*b.* Milano, Tex., July 31, 1881; *s.* Thos. Bunyan and Mattie (Sivils) Y.; reared on farm; *m.* Lotus Shamburger, May 16, 1907. B.S.A., Tex. A.&M. Coll., 1902; M.S., 1907; grad. student, Univ. Wis.

Youngs, Leonard Gage, fruit-grower, North East, Pa.

Princ. Grafton Acad., O., 1873-4; postal clerk, 1885-90; co. comnr. Erie Co., Pa., 1898-1901; supt. highways, Erie Co., 1910-4; invest for Erie Co. auditor-general.—*b.* North East, Pa., Dec. 13, 1852; *s.* Seals L. and Jane S. Y.; reared on farm; *m.* Mary L. Covey, Dec. 31, 1874 (d. 1891); 2d, Celia A. Dowman, July 4, 1894; *c.* Arthur F., Leonard N., Alfred J., Anna M., Howard E., Russell D.

Z

Zahnley, James Walter, asst. prof. farm crops, Kans. State Agr. Coll., Manhattan, Kans.

Supt. schs., Dwight, Kans., 1909-10; in chg. dept. sci. and agr., high-sch., Eldorado, 1910-5; instr. agron., Kans. State Agr. Coll., 1915-6; asst. princ. Sch. Agr., 1917-8; acting princ. and asst. prof. educ., 1918-9; present title, 1920-.—*b.* Dwight, Kans., June 2, 1884; *s.* Jas. and Rebecca (Curry) Z.; reared on farm; *m.* Mabelle Howell, Sept. 13, 1908. B.S., Kans. State Agr. Coll., 1909; B.S.A., 1918. Gamma Sigma Delta; Alpha Zeta; Phi Kappa Phi.

Zavitz, Charles Ambrose, prof. field husb. and dir. field exps., Ont. Agr. Coll., Guelph, Ont.

Vice-pres. Canadian Seed Growers Assoc.; sec. Ont. Agrl. and Exp. Union; vice-pres. Amer. Soc. Agron. Dir. coop. exps. in agr. in Ont. Del. to 2d Intern. Convention on Hybridization and Plant-Breeding, New York, 1902; 3d, London, 1906.—*b.* Coldstream, Ont., Aug. 25, 1863; *s.* Daniel and Susan W. (Vail) Z.; reared on farm; *m.* Rebecca E. Wilson, June 3, 1900; *c.* Raymond W. B.S.A., Toronto Univ., 1888; D.Sc., 1916.

Zavoral, Henry G., co. agrl. agt., Worthington, Minn.

Teach. agr., high-sch., 3 yrs. 1st. Sergeant, U. S. Army, 20 mos.; served

with A. E. F. (Beef, hogs).—*b.* Hutchinson, Minn., Apr. 2, 1892; *s.* Jas. and Nettie (Orban) Z.; reared on farm. B.S.A., Univ. Minn., 1915.

Zechiel, Willard R., co. agrl agt., Warsaw, Ind.

b. Culver, Ind., Apr. 25, 1886; *s.* Henry and Lazetta (White) Z.; reared on farm; *m.* Caroline Barber, Oct. 12, 1911; *c.* Robt. B.S.A., Purdue Univ., 1911.

Zeatmire, D. Harold, co. agrl. agt., Marengo, Ia.

Student asst. farm crops, Ia. State Coll., 1911-2; instr. farm crops, soils and farm manag., 1912-6; asst. prof., 1916-8; agrl. agt., Iowa Co., 1918–. Asst. sec. Ia. Corn and Small Grain Growers Assoc., 1912-8.—*b.* W. Point, Ia., Oct. 31, 1889; *s.* Jas. H. and Emma (Sloan) Z.; reared on farm; *m.* Naomi Margreiter, Aug. 31, 1916. B.S. in Agron., Ia. State Coll., 1913.

Zimm, Louis Arthur, ext. for., Univ. Ga., Athens, Ga.

Asst. for., Cornell Univ., 1915-6; instr. plant path., 1916-8; present position, 1919–. Lieut. Coast Artillery, U. S. Army, 1918-9. (For. and for. path. .—*b.* N. Y. City, Jan. 15, 1894; *s.* Louis and O. Shoreick Z.; reared in city. B.S., Cornell Univ., 1916; M.F., 1918. Alpha Zeta; Gamma Alpha.

Zimmer, Elmer R., co. agrl. agt., Owego, N. Y.

Stockman, Washington Mills, N. Y., 1910-1; asst. an. husb., Cornell Univ., 1913-4; instr., 1914-5; agt. Tioga Co., 1916–. An. husb. .—*b.* Constableville, N. Y., Sept. 5, 1886; *s.* Chas. H. and Mary J. O'Connor Z.; reared on farm; *m.* Augusta E. Gilmartin, Oct. 17, 1917; *c.* Mary A. Special student, Cornell Univ., 1912-3.

Zimmerman, Percy White, dean Sch. Agr., Md. State Coll., College Park, Md.

Asst. bot., Univ. Chicago, 1915; assoc. prof. bot., Md. Agr. Coll., 1916-7; acting dean, Div. Plant Ind., 1917; dean, 1918; present position, 1919–. (Plant physiol.). —*b.* Manito, Ill., Feb. 23, 1884; *s.* Henry and Elizabeth (Singley) Z.; reared on farm; *m.* Patti Martin, Aug. 16, 1911; *c.* Jack Martin. B.S., Univ. Chicago, 1914; M.S., 1916. Alpha Zeta.

Zon, Raphael, chief Off. For. Invests., U. S. For. Serv., Washington, D. C.

Vice-pres. Washington Acad. Sci.; fellow Soc. Amer. For.; fellow A. A. A. S.—*b.* Simbirsk, Russia, Dec. 1, 1874 (naturalized 1903); *s.* Gabriel and Eugenia (Berlin) Z.; reared in town; *m.* Anna Pouzireeskaya, 1903; *c.* Henry, Leo. F. E., Cornell Univ.

Zook, Leslie L., physiologist, U. S. Dept. Agr., and agron. Univ. Neb. Substa., N. Platte, Neb.

b. Kearney, Neb., June 21, 1880; *s.* Levi W. and Emma (Reynolds) Z.; reared on farm; *m.* Josephine Cobbey, Dec. 15, 1909; *c.* Wilhelmina, Martha. B.Sc., Univ. Neb., 1907. Sigma Xi; Alpha Zeta.

Zundel, George Lorenzo, asst. path., U. S. Dept. Agr. and ext. plant path., Wash. State Coll., Pullman, Wash.

Instr. bot. and hort., Utah Agr. Coll., 1911-2; instr. agr., Box Elder High-Sch., Brigham City, Utah, 1912-3; asst. prof. biol., Brigham Young Coll., 1915-7; research work for U. S. Dept. Agr., Jerome, Ida., 1917-20; in chg. cereal disease control for Wash., 1919–; present position, 1919–.—*b.* Brigham City, Utah, Dec. 23, 1885; *s.* Abraham and Mary Ellenor (Ingram) Z.; reared on farm and in city; *m.* Rose Mae Bell, Sept. 14, 1910. B.S.A., Utah Agr. Coll., 1911; M.S.A., Cornell Univ., 1915.

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National Agricultural Society. Pres., Howard E. Smith, 2 W. 45th St., New York, N. Y. Sec., Robt. Scoville, 2 W. 45th St., New York, N. Y.

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National Game Club. Sec., E. J. W. Ditz, 736 Cornelia Ave., Chicago, Ill.

National Gleaner Federation. Pres., Greant H. Slocum, Detroit, Mich.

National Grange of the Patrons of Husbandry, The. Master, S. J. Lowell, Fredonia, N. Y. Sec., C. M. Freeman, Tippecanoe City, O.

National Irrigation Congress. Sec., Arthur Hooker, 324 Boston Bldg., Salt Lake City, Utah.

National Lime Association (Agricultural Dept.). Pres., Chas. Warner, Wilmington, Del. Sec., E. O. Fippin, 918 G St., N. W., Washington, D. C.

Potato Association of America. Pres., C. W. Waid, E. Lansing, Mich. Sec., J. G. Milward, Madison, Wis.

Rural Credit League. Sec., Geo. P. Hampton, Washington, D. C.
School Garden Association of America. Sec., E. F. Murphy, Richmond, Ind.
Society for the Promotion of Agricultural Science. Sec.-treas., Jacob G. Lipman, New Brunswick, N. J.
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Wholesale Seedsmens League. Pres., John L. Hunt, Cambridge, N. Y. Sec., Burnet Landreth Jr., Bristol, Pa.
Womens National Farm and Garden Association. Pres., Mrs. Francis King, Alma, Mich. Sec., Miss Stella H. Webb, 414 Madison Ave., New York, N. Y.

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American National Live Stock Association. Pres., J. B. Kendrick, Sheridan, Wyo. Sec., T. W. Tomlinson, 515 Cooper Bldg., Denver, Colo.
American Royal Live Stock Show. Sec., W. H. Weeks, 210 Live Stock Exchange Bldg., Kansas City, Mo.
American Society of Animal Production. Sec., E. S. Savage Ithaca, N. Y.
Corn Belt Meat Producers Association. Pres., A. Sykes, Ida Grove, Ia. Sec., Henry C. Wallace, Des Moines, Ia.
International Live Stock Exposition Association. Sec., B. H. Heide, Union Stock Yards, Chicago, Ill.
National Breeders and Fanciers Association of America. Pres., Wm. H. Ashton, Dayton, O.
National Federation of Cooperative Live Stock Shippers. Pres., Knute Espe, Ames, Ia. Sec., S. G. Peterson, Waconia, Minn.
National Feeders and Breeders Show. Sec.-manag., E. R. Henry, Stock Yards, Ft. Worth, Tex.
National Live Stock Shippers League. Pres., J. H. Mercer, Topeka, Kans. Sec., E. F. Keefer, Union Stock Yards, Chicago, Ill.
National Live-Stock Show. Manag., F. S. Kirk, Wichita, Kans.
National Society of Record Associations. Pres., Jess C. Andrews, W. Point, Ind. Sec., Wayne Dinsmore, 828 Exchange Ave., Chicago, Ill.
United States Live Stock Sanitary Association. Sec., J. J. Ferguson, Union Stock Yards, Chicago, Ill.

Dairying

American Dairy Farmers Association. Pres., N. P. Hull, Dimondale, Mich. Sec., Helmer Rabild, U. S. Dept. Agr., Washington, D. C.
American Dairy Science Association. Pres., A. C. Anderson E. Lansing, Mich. Sec., N. W. Hepburn, Peoria Creamery Co., Peoria, Ill.
American Dairy Shorthorn Cattle Club. Sec., J. L. Tormay, Union Stock Yards, Chicago Ill.
Certified Milk Producers Association of America. Pres., Wilson H. Lee, New Haven, Conn. Sec., Harry B. Winters, Albany, N. Y.
Dairy Cattle Congress. Sec., E. S. Estel, Waterloo, Ia.
International Association of Dairy and Milk Inspectors. Pres., Ernest Kelly, U. S. Dept. Agr., Washington, D. C. Sec., Ivan C. Weld, 1120 Connecticut Ave., Washington, D. C.
National Association of Creamery Managers and Owners. Sec., F. A. Jorgensen, Champaign, Ill.
National Association of Dairy Workers. Pres., A. C. Ragsdale, Columbia, Mo. Sec., C. R. George, Purdue University, LaFayette, Ind.
National Creamery Butter Makers Association. Pres., J. J. Farrell, Machinists Nat. Bank Bldg., St. Paul, Minn. Sec., F. W. Stevenson, Oelwein, Ia.
National Dairy Council. Pres., M. D. Munn, 910 S. Michigan Ave., Chicago, Ill. Sec., M. O. Maughan, 910 S. Michigan Ave., Chicago, Ill.

National Dairy Show Association. Pres., H. E. Van Norman, Davis., Calif. Sec., W. E. Skinner, 910 S. Michigan Ave., Chicago, Ill.
National Dairy Union. Pres., N. P. Hull, Lansing, Mich.
National Milk Producers Federation. Pres., Milo D. Campbell, Coldwater, Mich. Sec., Geo. Brown, 29 La Salle St., Chicago, Ill.

Cattle

American Aberdeen-Angus Breeders Association. Pres., Otto V. Battles, Yakima, Wash. Sec., Chas. Gray, 817 Exchange Ave., Stock Yards, Chicago, Ill.
American Branch Association of the North Holland Herd Book. Sec., W. F. Slinter, 481 Sixth Ave., Brooklyn, N. Y.
American Devon Cattle Club, The. Pres., W. H. Neal, Meredith, N. H. Sec., Richard Pattee, 51 Cornhill, Boston, Mass.
American French Canadian Cattle Breeders Association. Pres., A. W. Hillis, S. Worcester, N. Y. Sec., Willard Fralick, Marathon, N. Y.
American Galloway Breeders Association. Pres., E. J. Guilbert, Wallace, Kans. Sec., R. W. Brown, Carrollton, Mo.
American Guernsey Cattle Club, The. Pres., Robt. Scoville, Taconic, Conn. Sec., W. H. Caldwell, Peterboro, N. H.
American Hereford Cattle Breeders Association. Pres., A. B. Cook, Helena, Mont. Sec., R. J. Kinzer, 625 Finance Bldg., Kansas City, Mo.
American Jersey Cattle Club. Pres., M. D. Munn, Pioneer Press Bldg., St. Paul, Minn. Sec., R. M. Gow, 324 W. 23rd St., New York, N. Y.
American Kerry and Dexter Cattle Club. Sec.-treas., C. S. Plumb, Columbus, O.
American Polled Hereford Breeders Association. Sec., B. O. Gammon, Des Moines, Ia.
American Polled Jersey Cattle Company. Pres., Walter B. Fulgham. Sec., Chas. S. Hatfield, R. D. 4, Springfield, O.
American Polled Shorthorn Breeders Association, The. Pres., H. R. Williams, Grandview, Ia. Sec., J. H. Martz, Greenville, O.
American Shorthorn Breeders Association. Pres. John R. Tomson, Dover, Kans. Sec., F. W. Harding, 13 Dexter Park Ave., Chicago, Ill.
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National Lincoln Sheep Breeders Association. Pres., Graham Walker, Chazy, N. Y. Sec., Bert Smith, Charlotte, Mich.

National Merino Sheep Registry Association. Pres., F. Elmer, Devereaux, Mich. Sec., R. O. Logan, R. D. 36, Montgomery, Mich.

National Mohair Growers Association. Pres., U. S. Grant, Dallas, Ore. Sec., A. C. Gage, Board of Trade Bldg., Portland, Ore.

National Wool Growers Association. Pres., Frank J. Hagenbarth, Salt Lake City, Utah. Sec., F. R. Marshall, Salt Lake City, Utah.

Persian Sheep Breeders Association. Sec., C. E. Bailey, 32 E. Santa Clara St., San Jose, Calif.

Standard Delaine-Merino Sheep Breeders Association. Sec., R. M. Wood, Douglas, Wyo.

Suffolk Sheep Breeders Association. Sec., Geo. W. Franklin, Des Moines, Ia.

Swine

American Berkshire Association. Pres., J. E. Dodge, Lowell, Mass. Sec., F. S. Springer, Springfield, Ill.

American Berkshire Congress. Pres., L. E. Ortez, Bernardsville, N. J. Sec., F. S. Springer, Springfield, Ill.

American Duroc-Jersey Swine Breeders Association. Pres., W. H. Peacock, Cochran, Ga. Sec., Robt. J. Evans, 817 Exchange Ave., Chicago, Ill.

American Essex Swine Association. Pres., M. A. Miller, Belleville, Ill. Sec., F. M. Strout, Annawan, Ill.

American Hampshire Swine Record Association. Pres., Seth T. Hadley, Hadley, Ind. Sec., E. C. Stone, 409 Wisconsin Ave., Peoria, Ill.

American Large Black Pig Society. Sec., W. T. Benton, Box 296, Lexington, Ky.

American Mule-foot Hog Record Company. Sec., R. E. Pfeiffer, 48 W. Gay St., Columbus, O.

American Poland-China Record Association. Pres., C. W. Phillips, New Sharon, Ia. Sec., W. M. McFadden, 609 Transportation Bldg., Chicago, Ill.

American Tamworth Swine Record Association. Pres., J. B. Mackoy, Farragut, Ia. Sec., E. N. Ball, Hamburg, Mich.

American Yorkshire Club. Pres, B. F. Davidson, Menlo, Ia. Sec., Harry G. Krum, 471 Fairview Ave., St. Paul, Minn.

Cheshire Swine Breeders Association. Pres., S. G. Otis, Venice Center, N. Y. Sec., E. S. Hill, Freeville, N. Y.

Chester White Swine Record Association, The. Pres., F. A. Fowler, Harpster, O. Sec., F. F. Moore, Rochester, Ind.

Mule-foot Hog Breeders Association. Sec., D. D. Gibson, Mammoth Springs, Ark.

National Duroc-Jersey Record Association, The. Pres., W. M. Putnam, Tecumseh, Neb. Sec., J. P. Pfander, 239 Monroe St., Peoria, Ill.

National Mule-foot Hog Association. Sec., G. C. Kreylow, Degraff, O.

National Mule-foot Swine Record Association. Sec., W. H. Morris, Indianapolis, Ind.

National Poland-China Record Company. Sec., A. M. Brown, Winchester, Ind.

National Spotted Poland-China Association. Pres., Henry Field, Shenandoah, Ia. Sec., F. L. Obenchain, Bainbridge, Ind.

National Swine Growers Association. Pres., Robt. J. Evans, Union Stock Yards, Chicago, Ill. Sec., W. J. Carmichael, 14 W. Van Buren St., Chicago, Ill.

O. I. C. Swine Breeders Association. Pres., A. M. Foster, Rushville, Ill. Sec., O. C. Vernon, Goshen, Ind.

Standard Poland-China Record Association. Sec., F. L. Garrett, Maryville, Mo.

Poultry and birds

American Buff Leghorn Club. Pres., L. E. Heasley, Holland, Mich. Sec., Geo. S. Barnes, Battle Creek, Mich.

American Buff Plymouth Rock Club. Pres., C. R. Baker, Abilene, Kans. Sec., Joseph H. Hertz, Hanover, Pa.

American Buff Wyandotte Club. Pres., J. J. Dansro, N. Clarendon, Vt. Sec., Andrew C. de Hass, Albany, N. Y.

American Buttercup Club. Pres., Wm. Freise, 521 N. 10th St., La Crosse, Wis. Sec., Chas. J. Lieber, Homer, N. Y.

American Campine Club. Pres., Arthur I. Hoe, Bedford Hills, N. Y. Sec., Mrs. Chas. H. Owings, Dumont, N. J.

American Columbian Plymouth Rock Club. Pres., F. W. Otte, Peekskill, N. Y. Sec., T. J. Enslin, Hackettstown, N. J.

American Dragoon Club. Pres., A. Bateman, 303 Vine St., Camden, N. J. Sec., H. B. Behrens, 5536 N. Lawrence St., Philadelphia, Pa.

American Guinea Club. Pres., Geo. L. Rockwell, Ridgefield, Conn. Sec., E. R. Flint, Tunbridge, Vt.

American Java Association. Pres., Wm. H. Clum, Rahway, N. J. Sec., Seth W. Morton, Box 587, Albany, N. Y.

American Poultry Association. Pres., A. F. Cooper, 7221 Race Ave., Pittsburgh, Pa. Sec., E. B. Campbell, Ft. Wayne, Ind.

Blue Andalusian Club of America. Pres., E. D. Bird, 929 Park Ave., New York, N. Y. Sec., Walter J. Coates, E. Calais, Vt.

Buff Minorca Club of America. Sec., Wm. P. Williams, 1102 W. 52nd St., Los Angeles, Calif.

Hamburg Fanciers Club. Pres., John Lowell, Equitable Bldg., Boston, Mass. Sec., Robt. C. Morse, 19 Congress St., Boston, Mass.

International Baby Chick Association. Sec., H. D. White, Saugatuck, Mich.

International Partridge Plymouth Rock Club. Pres., C. M. Bird, Meyersdale, Pa.

International Single Comb Black Minorca Club. Pres., E. D. Geiger, Canton, Ill. Sec., Junios Johnson, 6001 Harrison Rd., Kansas City, Mo.

National American Dominique Club. Pres., A. Q. Carter, Jefferson, Me. Sec., C. W. Besse, Jefferson, Me.

National Bantam Association. Pres., Geo. L. Young, 411 E. 7th St., Brooklyn, N. Y. Sec., Jas. H. Welch, Douglaston, N. Y.

National Bronze Turkey Club. Pres., E. H. Jewett, Detroit, Mich. Sec., Chas. E. Bird, Meyersdale, Pa.

National Car-Lot Poultry Shippers Association. Sec., R. Carter, Louisville, Ky.

National Columbian Wyandotte Club. Pres., Ralph Woodward, Grafton, Mass. Sec., Levi A. Ayres, Granville, N. Y.

National Rose Comb White Orpington Club. Pres., C. M. Streby, Belleville, O. Sec., A. H. White, R. 3, Syracuse, N. Y.

United Ancona Club. Pres., W. H. Hocking, 4421 S. Main St., Los Angeles, Calif. Sec., R. W. Van Hoesen, Franklinville, N. Y.

Horticulture

American Apple Growers Congress. Pres., J. W. Stanton, Richview, Ill. Sec., L. C. Wilson, Columbia, Mo.

American Association of Nurserymen. Pres., L. C. Stark, Louisiana, Mo. Sec., John Watson, Princeton, N. J.

American Carnation Society. Pres., Chas. W. Johnson, 2242 W. 109th St., Chicago, Ill. Sec., A. F. J. Baur, Indianapolis, Ind.

American Cranberry Growers Association. Pres., A. J. Rider, Hammonton, N. J. Sec., H. B. Scammell, Toms River, N. J.

American Dahlia Society. Pres., Richard Vincent Jr., White Marsh, Md. Sec., E. C. Vick, 205 Elwood Ave., Newark, N. J.

American Federation of Horticultural Societies. Pres., Wm. H. Barnes, Topeka, Kans. Sec., C. E. Bassett, Fennville, Mich.

American Gladiolus Society, The. Pres., H. E. Meader, Dover, N. H. Sec., A. C. Beal, Ithaca, N. Y.

American Iris Society. Pres., J. C. Wister. Sec., Robt. S. Sturtevant, Wellesley Farms, Mass.

American Nurserymens Protective Association. Sec., Thos. B. Meehan, Dresher, Pa.

American Peony Society. Pres., Lee R. Bonnewitz, Van Wert, O. Sec., A. P. Saunders, Clinton, N. Y.

American Plant Propagators Association. Pres., A. H. Hill, Dundee, Ill. Sec., F. W. von Oven, Naperville, Ill.

American Pomological Society. Pres., L. H. Bailey, Ithaca, N. Y. Sec., E. R. Lake, 2033 Park Road, Washington, D. C.

American Rose Society. Pres., Robt. Pyle, West Grove, Pa. Sec., E. A. White, Ithaca, N. Y.

American Society for Horticultural Science. Pres., W. H. Alderman, University Farm, St. Paul, Minn. Sec., C. P. Close, College Park, Md.

American Sweet Pea Society. Pres., Geo. W. Kerr, Doylestown, Pa. Sec., Wm. Gray, Newport, R. I.

American Wine Growers Association. Pres., Walter B. Hildreth, 302 Broadway, New York, N. Y. Sec., Lee J. Vance, 302 Broadway, New York, N. Y.

Chrysanthemum Society of America. Pres., Thos. W. Head, Armour Estate, Lake Forest, Ill. Sec., Chas. W. Johnson, 2242 W. 109th St., Chicago, Ill.

Florists Hail Association of America. Pres., E. G. Hill, Richmond, Ind. Sec., John G. Esler, Saddle River, N. J.

Florists Telegraph Delivery Association, The. Pres., Philip Breitmeyer, 26 Broadway, Detroit, Mich. Sec., Albert Pochelon, 153-5 Bates St., Detroit, Mich.

Garden Club of America. Sec., Miss Ernestine A. Goodman, 1524 Walnut St., Philadelphia, Pa.

International Apple Shippers Association. Pres., W. M. French, New York, N. Y. Sec., R. G. Phillips, Rochester, N. Y.

National Apple Growers Association. Pres., H. M. Dunlap, Savoy, Ill. Sec., W. P. Massey, Winchester, Va.

National Apple Show. Pres., Howard Elliott, St. Paul, Minn. Sec., Ben H. Rice, Spokane, Wash.

National Association of Gardeners. Pres., L. P. Jensen, St. Louis, Mo. Sec., M. C. Ebal, 286 Fifth Ave., New York, N. Y.

National Council of Horticulture. Pres., J. C. Vaughan, 31 Randolph St., Chicago, Ill. Sec., H. C. Irish, R. F. D. 6, Webster Grove, Mo.

National Flower Growers Association. Sec., J. F. Ammann, Edwardsville, Ill.

National Grape Growers Association. Pres., O. M. Johnson, Geneva, O. Sec., W. H. Asbury, Unionville, O.

National Horticultural Congress. Pres., J. P. Hess. Sec., G. W. Reye, Council Bluffs, Ia.

National Nut Growers Association. Pres., Theo Bechtel, Ocean Springs, Miss. Sec., A. S. Perry, Leary, Ga.

National Pecan Growers Exchange. Pres., Wm. P. Bullard, Albany, Ga. Sec., A. D. Galt, Albany, Ga.

National Plant, Flower and Fruit Guild. Pres., Mrs. John W. Stewart. Sec., Miss Ellen Eddy Shaw, 70 Fifth Ave., New York, N. Y.

North American Fruit Exchange. 90 West St., New York, N. Y.

Society of American Florists and Ornamental Horticulturists. Pres., A. L. Miller, Jamaica, N. Y. Sec., John Young, 1170 Broadway, New York, N. Y.

Tomato Growers Association, Inc. Sec., J. F. Shields, 201 Walnut St., Salisbury, Md.

Truck and Fruit Growers Association. Sec., W. A. Howells, El Reno, Okla.

Vegetable Growers Association of America. Pres., E. A. Dunbar, Ashtabula, O. Sec., Sam W. Severance, Inter-Southern Bldg., Louisville, Ky.

Forestry

American Forestry Association. Pres., Chas. Lathrop Pack, 1410 H St., Washington, D. C. Exec. sec., P. S. Ridsdale, 1410 H St., Washington, D. C.

International Society of Arboriculture Pres., Wm. J. Palmer. Sec., J. P. Brown, Connersville, Ind.

Society of American Foresters. Pres., R. C. Bryant, 360 Prospect St., New Haven, Conn. Sec., Paul D. Kelleter, Atlantic Bldg., Washington, D. C.

II. DIRECTORY OF JOURNALS DEVOTED TO AGRICULTURE AND RURAL LIFE

D.....daily	M.....monthly	Q.....quarterly
S-M..semi-monthly	S-W....semi-weekly	W.....weekly

Agricultural Gazette of Canada, The. J. B. Spencer, ed. M. $1.00 1914. Dept. of Agriculture, Ottawa, Ont.

Agricultural Journal, The. R. J. Ferris, ed. M. $1.00. 1916. Dept. of Agriculture, Victoria, B. C.

Agricultural Review, The. W. I. Drummond, ed. M. $1.00. 1906. International Farm Congress, Kansas City, Mo.

Agricultural Student, The. Geo. F. Henning, ed. M. $1.00. 1893. The Agricultural Student Publishing Co., Columbus, O.

Agrimotor. Henry Farrington, ed. M. $1.50. 1917. Halliwell & Patton Publishing Co., 36 S. State St., Chicago, Ill.

Alabama Farm-Facts. J. C. O'Connell, ed. W. 50 cts. 1915. Advertiser Co., Montgomery, Ala.
American Agriculturist. Chas. W. Burkett, ed. W. $1.00. 1842. Orange Judd Co., New York, N. Y.
American Bee Journal. C. P. Dadant, ed. M. $1.00. 1861. Dadant & Sons, Hamilton, Ill.
American Breeder. Frank B. Graham, ed. S-M. 50 cts. 1908. Graham Publishing Co., Kansas City, Mo.
American Breeder's Review. L. W. Lott, ed. Q. 50 cts. 1918. Leonard W. Lott, 132 Nassau St., New York, N. Y.
American Cooperative Journal. Millard R. Myers, ed. M. $1.00. 1906. American Cooperative Publishing Co., 230 S. LaSalle St., Chicago, Ill.
American Cooperative Manager. Millard R. Myers, ed. S-M. $1.50. 1906. American Cooperative Publishing Co., 230 S. LaSalle St., Chicago, Ill.
American Fancier and Breeder. F. M. Munger, ed. M. 25 cts. 1890. F. M. Munger, De Kalb, Ill.
American Fancier and Stock Keeper. W. B. Atherton, ed. W. $2.00. 1884. American Fancier and Stock Keeper Co., Boston, Mass.
American Farming. Paul Stephens, ed. M. 25 cts. 1906. D. W. Gaylord, Chicago, Ill.
American Florist, The. Michael Barker, ed. W. $1.50. 1885. The American Florist Co., 440 S. Dearborn St., Chicago, Ill.
American Forestry. Percival S. Ridsdale, ed. M. $3.00. 1894. American Forestry Association, Washington, D. C.
American Fruit Grower. Samuel Adams, ed. M. $1.00. 1880. American Fruit Grower Co., State-Lake Bldg., Chicago, Ill.
American Hereford Journal, The. Raymond P. Hazelton, ed. S-M. $1.00. 1910. Hayes Walker, Kansas City, Mo.
American Horse Breeder. Fred Beachey, ed. W. $3.00 ($3.50 to Canada). 1891. Horse Breeders Publishing Co., 161 High St., Boston, Mass.
American Nurseryman. Ralph T. Olcott, ed. M. $1.50. 1907. American Fruits Publishing Co., 39 State St., Rochester, N. Y.
American Nut Culture. Ralph T. Olcott, ed. Q. 10 cts. 1918. American Fruits Publishing Co., 39 State St., Rochester, N. Y.
American Nut Journal. Ralph T. Olcott, ed. M. $1.50. 1914. American Fruits Publishing Co., 39 State St., Rochester, N. Y.
American Pigeon Keeper. J. C. Pratt, ed. M. $1.00. 1897. J. C. Pratt, 101 S. Wells St., Chicago, Ill.
American Poultry Advocate. Edward K. De Puy, ed. M. 50 cts. 1892. Clarence C. De Puy, Syracuse, N. Y.
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American Poultry Journal. Jas. W. Bell, ed. M. 50 cts. 1874. American Poultry Journal Publishing Co., 523 Plymouth Court, Chicago, Ill.
American Sheep Breeder and Wool Grower. W. W. Burch, ed. M. $1.25. American Sheep Breeder Co., 817 Exchange St., Chicago, Ill.
American Squab Journal. Frank N. Hollman, ed. M. $1.00. 1912. Frank N. Hollman, Warrenton, Mo.
American Swineherd. M. $1.00. 1885. American Swineherd Publishing Co., 407 S. Dearborn St., Chicago, Ill.
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Ancona World. R. W. Van Hoesen, ed. Q. 50 cts. 1910. R. W. Van Hoesen, Franklinville, N. Y.
Angora and Milk Goat Journal. A. C. Gage, ed. M. $1.50. 1911. A. C. Gage, 315 Oregonian Bldg., Portland, Ore.
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Bean-Bag, The. L. A. Nixon, ed. M. $1.50. 1918. Lightner Publishing Corp., St. Louis, Mo.
Beekeeper, The. H. B. Cowan, ed. $1.00. The Horticultural Publishing Co., Peterboro, Ont.
Belle Fourche Bee. J. S. Smith, manag. W. $2.50. 1891. The Bee Publishing Co., Belle Fourche, S. D.
Berkshire World, The. L. E. Frost, ed. M. $1.50. 1909. Chicago, Ill.
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Buffalo Daily Live Stock Record. A. G. Dawson, ed. D. $5.00. Buffalo Live Stock Record Co., Buffalo, N. Y.
Bulletin de la Ferme, Le. F. Fleury, ed. M. 50 cts. 1913. Quebec, Que.
Butter, Cheese and Egg Journal. J. G. Moore, ed. W. $2.00. 1909. H. P. Olsen, Milwaukee, Wis.
California Cattleman, The. David J. Stollery, ed. M. $1.00. 1919. David J. Stollery, 55 New Montgomery St., San Francisco, Calif.
California Citrograph. Edward A. Street, ed. M. $1.00. 1915. California Citrograph Publishing Co., Los Angeles, Calif.
California Cultivator. C. B. Messenger, ed. $1.00. 1877. The Cultivator Publishing Co., Inc., Los Angeles, Calif.
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Canadian Entomologist, The. E. M. Walker, ed. M. $2.00. 1868. The Entomological Society of Ontario, Guelph, Ont.
Canadian Florist, The. H. B. Cowan, ed. S-M. $1.00. 1905. The Horticultural Publishing Co., Peterboro, Ont.
Canadian Forestry Journal. Robson Black, ed. M. $1.00 ($1.25 to U. S.). 1900. 206 Booth Bldg., Ottawa, Ont.
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Canadian Poultry Journal, The. Robt. H. Essex, ed. M. 75 cts. 1915. Canadian Poultry Journal Publishing Co., Hamilton, Ont.
Canadian Poultry Review, The. H. B. Donovan, ed. M. 75 cts. 1887. H. B. Donovan, Toronto, Ont.
Capper's Farmer. F. B. Nichols, ed. M. 25 cts. 1889. Capper Farm Press, Topeka, Kans.
Carolina Farmer and Stockman. S. L. Reid, ed. S-M. 75 cts. 1917. Carolina Farmer and Stockman Co., Charleston, S. C.

Cattleman, The. A. C. Williams, ed. M. 60 cts. 1914. Cattle Raisers Association of Texas, Ft. Worth, Tex.
Chester White Journal, The. M. 50 cts. 1910. Moore Bros. Co., Rochester, Ind.
Chicago Dairy Produce. Geo. Caven, ed. W. $1.50. 1891. Chicago Produce Co., 136 W. Lake St., Chicago, Ill.
Chilton Tractor Journal. Jas. Artman, ed. M. $1.00. 1918. Chilton Co., Philadelphia, Pa.
Cincinnati Live Stock Record. Chas. E. Le Court, ed. 4 days a week. $3.00. 1897. The Cincinnati Live Stock Market Publishing Co., Cincinnati, O.
Cloverland Magazine. Roger M. Andrews, ed. M. $1.00. 1916. The Andrews Publications, Menominee, Mich.
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Co-operative Manager and Farmer, The. J. F. Fleming, ed. M. $1.00. 1911. The Manager Publishing Co., Minneapolis, Minn.
Corn Belt Farmer, The. Paul B. Talbot, ed. M. 50 cts. 1912. Harry B. Clark Co., Des Moines, Ia.
Cornell Countryman. Russell Lord, ed. M. $1.00. 1903. Cornell Countryman, Ithaca, N. Y.
Cotton Planter. J. B. Stern, ed. M. 25 cts. 1914. J. B. Stern, Montgomery, Ala.
Country Gentleman, The. Barton W. Currie, ed. W. $1.00. 1853. Curtis Publishing Co., Philadelphia, Pa.
Country Grain Shipper, The. J. H. Adams, ed. M. $1.00. 1916. Grain Trade Publishing Co., Minneapolis, Minn.
Country Life in British Columbia. W. C. Harris, ed. M. $1.00. 1915. W. C. Harris, 1451 Broadway W., Vancouver, B. C.
Country Magazine, The. Wyman Smith, ed. M. $1.00. 1906. Students of College of Agriculture, University of Wisconsin, Madison, Wis.
County Agent and Farm Bureau, The. Bert Ball, ed. M. 50 cts. 1912. County Agent Publishing Co., 66 A Board of Trade, Chicago, Ill.
Creamery and Milk Plant Monthly. H. E. O. Hememan, ed. M. $1.00. 1912. National Milk Publishing Co., Chicago, Ill.
Creamery Journal, The. W. A. Gordon, ed. S-M. 75 cts. Buttermakers Publishing Co., Waterloo, Ia.
Daily Drovers Journal. Ward A. Neff, ed. D. $5.00. 1873. Drovers Journal Publishing Co., 836 Exchange Ave., Chicago, Ill.
Daily Drovers Journal-Stockman. Bruce McCulloch, ed. D. $5.00. 1888. The Journal-Stockman Co., Omaha, Neb.
Daily Drovers Telegram. W. P. Neff, ed. D. $5.00. 1881. Drovers Telegram Co., Kansas City, Mo.
Daily National Live Stock Reporter. H. A. Powell, ed. D. $5.00. 1889. Reporter Publishing Co., National Stock Yards, E. St. Louis, Ill.
Dairy Farmer, The. Hugh G. Van Pelt, ed. S-M. 50 cts. 1903. Fred L. Kimball Co., Waterloo, Ia.
Dairyman's Journal. N. E. Baum, ed. M. 25 cts. Southern Illinois Milk Producers Association, Belleville, Ill.
Dairymen's League News. E. R. Eastman, ed. S-M. 50 cts. 1917. Dairymen's League, Inc., 303 Fifth Ave., New York, N. Y.
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Dairy Record, The. H. Sandholt, ed. W. $1.50. 1904. The Dairy Record Publishing Co., St. Paul, Minn.
Dakota Farmer, The. W. C. Allen, ed. S-M. $1.00. 1881. Bushnell Co., Aberdeen, S. D.
Delaware County Dairyman. G. T. Ereland, ed. W. $1.00. 1884. J. Ereland & Son, Franklin, N. Y.
Deutsch-Amerikanischer Farmer. Wm. Schmoldt, ed. W. 50 cts. 1888. The Press Publishing Co., Lincoln, Neb.
Deutsche Farmer, Der. C. H. Bergmeier, ed. S-M. $1.00. 1910. The Volkszeitung Printing and Publishing Co., St. Paul, Minn.

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Duroc Bulletin, The, and Live Stock Farmer. N. M. Gordon, ed. S-M. $1.00. 1904. James J. Doty Publishing Co., 608 S. Dearborn St., Chicago, Ill.

Eastern Dealer in Implements and Vehicles. Grant Wright, ed. S-M. $2.00. 1907. Wright and Wilkinson, Inc., Philadelphia, Pa.

El Campo Internacional. Walter A. Johnson, ed. M. $4.00. 1919. The American International Publishers, Inc., 2 W. 45th St., New York, N. Y.

Equity Union Exchange. Leroy Melton, ed. W. $1.00. 1914. Farmers' Equity Union, Greenville, Ill.

Everybodys Poultry Magazine. Henry P. Schwab, ed. M. 50 cts. Everybodys Poultry Magazine Publishing Co., Hanover, Pa.

Facts about Sugar. E. W. Mays, ed. W. $3.00. 1916. Domestic Sugar Producers, Inc., 82 Wall St., New York, N. Y.

Family Herald and Weekly Star. W. $1.25 ($2.00 in United States). 1869. The Montreal Star Publishing Co., Ltd., Montreal, Que.

Farm and Dairy. R. B. Thompson, ed. W. $1.00. 1914. The Lyle Printing Co., Salem, O.

Farm and Dairy. H. B. Cowan, ed. W. $1.00 ($1.50 to United States). 1882. The Rural Publishing Co., Ltd., Peterboro, Ont.

Farm and Fireside. Geo. Martin, ed. M. 25 cts. 1877. Crowell Publishing Co., Springfield, O.

Farm and Home. Herbert Myrick, ed. M. 25 cts. 1880. Phelps Publishing Co., Springfield, Mass.

Farm and Home Mechanics. Geo. W. Rhine, ed. M. 35 cts. 1915. United Publishing Co., Kansas City, Mo.

Farm and Ranch. Rufus J. Nelson, ed. W. $2.00 (for 3 yrs.). 1883. Farm and Ranch Publishing Co., Dallas, Tex.

Farm and Ranch Review, The. M. W. Geddes, ed. S-M. $1.00 ($1.50 in United States). 1905. The Farm and Ranch Review Co., Ltd., Calgary, Alta.

Farm and Real Estate Journal. C. C. Wood, ed. M. 25 cts. 1896. Chas. Wood & Son, Traer, Ia.

Farmer, The. D. A. Wallace, ed. W. $1.00. 1882. Webb Publishing Co., St. Paul, Minn.

Farmer and Breeder. H. G. McMillan, ed. S-M. $1.00. 1878. Farmer and Breeder, Inc., Sioux City, Ia.

Farmer and Stockman. M. N. Beeler and John Thompson, eds. W. $1.00. 1877. Homestead Co., Kansas City, Mo.

Farmer and Stockman, The. Will M. Traer, ed. W. $1.00. 1899. Florida Farmer Co., Jacksonville, Fla.

Farmers Advocate and Home Journal. R. Grant Thomson, ed. W. $1.50. 1866. Farmers Advocate of Winnipeg, Ltd., Winnipeg, Man.

Farmer's Dispatch. S. E. Elliott, ed. S-M. $1.00. 1869. Dispatch Printing Co., St. Paul, Minn.

Farmers' Magazine. F. M. Chapman, ed. S-M. $1.50. 1910. The Maclean Publishing Co., Ltd., 143 University Ave., Toronto, Ont.

Farmers Mail and Breeze, The. T. A. McNeal, ed. W. $1.00. Capper Farm Press, Topeka, Kans.

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Tractor and Trailer. Harold F. Turner, ed. M. $1.00. 1917. Tractor Publishing Co., Inc., 220 W. 42nd St., New York, N. Y.
Trotter and Pacer, The. Sidney S. Toman, ed. W. $3.00. 1894. American Trotter and Pacer, Inc., New York, N. Y.
Twice-A-Week Republic. C. M. Morrison, ed. S-W. $1.00. 1808. Geo. W. Knapp & Co., St. Louis, Mo.

Utah Farmer. James M. Kirkham, ed. W. $1.00. 1886. James M. Kirkham, Lehi, Utah.
Virginia Union Farmer. S. R. Church, ed. W. $1.50. 1906. Clarion Publishing Co., Dillwyn, Va.
Wallace's Farmer. Henry C. Wallace and H. A. Wallace, eds. W. $1.25. 1895. Wallace Publishing Co., Des Moines, Ia.
Washington Farmer, The. Edwin A. Smith, ed. W. 25 cts. 1894. The Cowles Publishing Co., Spokane, Wash.
Weekly Kansas City Star, The. H. J. Waters, ed. W. 50 cts. 1890. Wm. R. Nelson, Kansas City, Mo.
Weekly Witness and Canadian Homestead. J. R. Dougall, ed. W. $1.50. 1845. John Dougall & Son, Montreal, Que.
Western Farmer. E. E. Faville, ed. S-M. $1.00. 1899. Farm Magazine Co., Portland, Ore.
Western Farm Life. Alvin T. Steinel, ed. S-M. $1.00. 1898. W. S. Edmiston. Denver, Colo.
Western Honey Bee. S. S. Knabenshue, ed. M. $1.00. 1913. Consolidated Honey Producers of Calif., 121 Temple St., Los Angeles, Calif.
Western Poultry. R. G. Bailey, ed. M. 75 cts. 1912. R. G. Bailey, Lewiston, Ida.
Western Poultry Journal. E. E. Richards, ed. M. 50 cts. 1881. E. E. Richards, Cedar Rapids, Ia.
Wichita Daily Stockman. Chas. L. McPherson, ed. D. $4.00. 1907. John C. McGuin, 414 E. William St., Wichita, Kans.
Wisconsin Agriculturist, The. Chris. J. Schroder, ed. W. $1.00. 1877. The Wisconsin Agriculturist Publishing Co., Racine, Wis.
Wisconsin Horticulture. Frederic Cranefield, ed. M. 50 cts. 1910. The Wisconsin State Horticultural Society, Madison, Wis.
Woman's National Farm and Garden Association Bulletin. M. $1.00. 1914. The Woman's National Farm and Garden Association, Inc., 414 Madison Ave., New York, N. Y.
World Agriculture. Q. $3.00. 1920. The World Agricultural Society.

III. DIRECTORY OF OFFICIAL PROVINCIAL AND STATE DEPARTMENTS OF AGRICULTURE

Comprising (1) the official designation of the Department, Board or Commission representing agriculture as part of the government or cabinet in the Province or State; (2) the post-office address of the Department; (3) the name and title of the present executive officer; (4) post-office address of the officer when it differs from that of the Department. Many of the States have other boards dealing with special agricultural interests, more or less under State support, not officially representing agriculture in the government of the commonwealth; these are not included.

CANADA

Alberta
Department of Agriculture, Edmonton. Duncan Marshall, minister. H. A. Craig, deputy minister.
British Columbia
Department of Agriculture, Victoria. D. Warnock, deputy minister.
Manitoba
Department of Agriculture, Winnipeg. J. H. Evans, deputy minister.
New Brunswick
Department of Agriculture, Fredericton. J. F. Tweeddale, minister. E. P. Bradt, deputy minister.
Nova Scotia
Department of Agriculture, Truro. M. Cumming, secretary.
Ontario
Department of Agriculture, Ottawa. S. F. Tolmie, minister. J. H. Grisdale, deputy minister.

Prince Edward Island
Department of Agriculture, Charlottetown. Walter M. Lea, commissioner.
Quebec
Department of Agriculture, Quebec. In charge minister of agriculture. Narcisse Savoie, secretary.
Saskatchewan
Department of Agriculture, Regina. Chas. A. Dunning, minister. F. H. Auld, deputy minister.

UNITED STATES

Alabama
Agriculture and Industries Department, Montgomery. M. C. Allgood, commissioner.
Arizona
Arizona Commission of Agriculture and Horticulture. Andrew Kimball, chairman, Thatcher. W. H. Robinson, secretary, Chandler.
Arkansas
State Bureau of Mines, Manufactures and Agriculture, Little Rock. J. G. Ferguson, commissioner.
California
California State Department of Agriculture, Sacramento. Geo. H. Hecke, director.
Colorado
The State Board of Agriculture, Fort Collins. A. A. Edwards, president. L. M. Taylor, secretary.
Connecticut
Board of Agriculture, Hartford. Marcus H. Holcomb, president. L. H. Healey, secretary.
Delaware
State Board of Agriculture, Dover. A. R. Benson, president. Wesley Webb, secretary.
Florida
Department of Agriculture, Tallahassee. Wm. A. McRae, commissioner.
Georgia
Georgia Department of Agriculture, Atlanta. J. J. Brown, commissioner.
Hawaii
Board of Commissioners of Agriculture and Forestry, Honolulu. A. H. Rice, president.
Idaho
Department of Agriculture, Boise. Miles Cannon, commissioner.
Illinois
Department of Agriculture, Springfield. Chas. Adkins, director.
Indiana
Indiana State Board of Agriculture, Indianapolis. Chas. F. Kennedy, secretary.
Iowa
Department of Agriculture, Des Moines. A. R. Corey, secretary.
Kansas
Kansas State Board of Agriculture, Topeka. J. C. Mohler, secretary.
Kentucky
Department of Agriculture, Frankfort. W. C. Hanna, commissioner.
Louisiana
Department of Agriculture and Immigration, Baton Rouge. Harry D. Wilson, commissioner.
Maine
Department of Agriculture, Augusta. John A. Roberts, commissioner.
Maryland
State Board of Agriculture and Board of Trustees of the Maryland State College, College Park. Albert F. Woods, executive officer.

Massachusetts
State Department of Agriculture, Boston. Arthur W. Gilbert, commissioner.
Michigan
Board of Agriculture. F. S. Kedzie, president Michigan Agricultural College, East Lansing.
Minnesota
State Department of Agriculture, St. Paul. N. J. Holmberg, commissioner.
Mississippi
Department of Agriculture and Commerce, Jackson. P. P. Garner, commissioner.
Missouri
State Board of Agriculture, Jefferson City. Arthur T. Nelson, president, Lebanon. Jewell Mayes, secretary.
Montana
Department of Agriculture and Publicity, Helena. Chas. D. Greenfield, commissioner.
Nebraska
Nebraska State Board of Agriculture, Lincoln. J. F. McCardle, president, Omaha. E. R. Danielson, secretary.
Nevada
State Board of Agriculture, Reno.
New Hampshire
Department of Agriculture, Concord. Andrew L. Felker, commissioner.
New Jersey
Department of Agriculture, Trenton. Alva Agee, secretary.
New Mexico
College of Agriculture and Mechanic Arts, State College. R. W. Clothier, president.
New York
Department of Farms and Markets, Albany. Geo. E. Hogue, commissioner.
North Carolina
North Carolina Department of Agriculture, Raleigh. W. A. Graham, commissioner.
North Dakota
Department of Agriculture and Labor, Bismarck. John N. Hagan, commissioner.
Ohio
Department of Agriculture, Columbus. N. E. Shaw, secretary.
Oklahoma
State Board of Agriculture. J. A. Whitehurst, president, Oklahoma City.
Oregon
Board of State Fair Directors, Salem. A. H. Lea, secretary. Also Oregon Agricultural College, Corvallis.
Pennsylvania
Department of Agriculture, Harrisburg. Fred Rasmussen, secretary.
Rhode Island
State Board of Agriculture, Providence. John J. Dunn, secretary.
South Carolina
Department of Agriculture, Commerce and Industries, Columbia. B. Harris, commissioner.
South Dakota
Department of Immigration, Pierre. Chas. McCaffree, commissioner.
Tennessee
Department of Agriculture, Nashville. F. M. McRee, commissioner.
Texas
The State Department of Agriculture of Texas, Austin. Fred W. Davis, commissioner.
Utah
There is no official department of agriculture.

Vermont
Department of Agriculture, Montpelier. E. S. Brigham, commissioner.
Virginia
Department of Agriculture and Immigration, Richmond. G. W. Koiner, commissioner.
Washington
Department of Agriculture, Olympia. E. F. Benson, commissioner.
West Virginia
Department of Agriculture, Charleston. J. H. Stewart, commissioner.
Wisconsin
Department of Agriculture, Madison. C. P. Norgord, commissioner.
Wyoming
Wyoming State Board of Immigration, Cheyenne. Chas. S. Hill, commissioner.

IV. DIRECTORY OF COLLEGES AND SCHOOLS OF AGRICULTURE

Comprising (1) institutions of the Canadian provinces; (2) land-grant institutions for agriculture in the United States (founded on the federal land-grant act of 1861 and subsequent acts); (3) schools or departments of agriculture in higher institutions and not state-maintained; (4) special or separate public schools of agriculture; (5) private schools of agriculture. High-schools and similar institutions giving instruction in agriculture are not included.

CANADA

Alberta
University of Alberta, Edmonton.
Claresholm School, Claresholm.
Olds School, Olds.
Vermilion School, Vermilion.
British Columbia
University of British Columbia, Vancouver.
Manitoba
Manitoba Agricultural College, Winnipeg.
Nova Scotia
Nova Scotia Agricultural College, Truro.
Ontario
Ontario Agricultural College, Guelph.
Quebec
MacDonald College, MacDonald College Postoffice.
Dairy School of the Province of Quebec, St.-Hyacinthe
Ecole d'Agriculture, St. Anne-de-la Pocatiere.
Institute Agricole d'Oka, La Trappe.
Saskatchewan
University of Saskatchewan, Saskatoon.

UNITED STATES

Alabama
Alabama Polytechnic Institute, Auburn. (2)
Agricultural School of the Tuskegee Normal and Industrial Institute, Tuskegee Institute. (2)
First District Agricultural School, Jackson. (4)
Second District Agricultural School, Evergreen. (4)
Third District Agricultural School, Abbeville. (4)
Fourth District Agricultural School, Sylacauga. (4)
Fifth District Agricultural School, Wetumpka. (4)
Sixth District Agricultural School, Hamilton. (4)
Seventh District Agricultural School, Albertville. (4)
Eighth District Agricultural School, Athens. (4)
Ninth District Agricultural School, Blountsville. (4)
Northeast Alabama Agricultural and Industrial Institute, Lineville. (4)

Arizona
College of Agriculture of the University of Arizona, Tucson. (2)

Arkansas
College of Agriculture of the University of Arkansas, Fayetteville. (2)
Branch Normal College, Pine Bluff. (2)
First District State Agricultural School, Jonesboro. (4)
Second District State Agricultural School, Russellville. (4)
Third District State Agricultural School, Magnolia. (4)
Fourth District State Agricultural School, Monticello. (4)

California
College of Agriculture of the University of California, Berkeley. (2)
Pacific Union College, St. Helena. (3)
California Polytechnic School, San Luis Obispo. (4)
St. Joseph's Agricultural Institute, Rutherford. (5)

Colorado
The State Agricultural College of Colorado, Ft. Collins. (2)
Fort Lewis School of Agriculture and Mechanic Arts, Ft. Lewis. (4)

Connecticut
Connecticut Agricultural College, Storrs. (2)
Riggs School, Lakeville. (5)

Delaware
Delaware College, Newark. (2)
State College for Colored Students, Dover. (2)

Florida
College of Agriculture of the University of Florida, Gainesville. (2)
Florida Agricultural and Mechanical College for Negroes, Tallahassee. (2)

Georgia
Georgia State College of Agriculture, Athens. (2)
Georgia State Industrial College for Colored Youths, Savannah. (2)
North Georgia Agricultural College, Dahlonega. (3)
First District Agricultural School, Statesboro. (4)
Second District Agricultural School, Tipton. (4)
Third District Agricultural School, Americus. (4)
Fourth District Agricultural School, Carrollton. (4)
Fifth District Agricultural School, Monroe. (4)
Sixth District Agricultural School, Barnesville. (4)
Seventh District Agricultural School, Powder Springs. (4)
Eighth District Agricultural School, Madison. (4)
Ninth District Agricultural School, Clarkesville. (4)
Tenth District Agricultural School, Granite Hill. (4)
Eleventh District Agricultural School, Douglas. (4)

Hawaii
College of Hawaii, Honolulu. (2)

Idaho
College of Agriculture of University of Idaho, Moscow. (2)

Illinois
College of Agriculture of University of Illinois, Urbana. (2)
St. Viator College, Bourbonnais. (3)

Indiana
School of Agriculture, Purdue University, LaFayette. (2)
Indiana Central University, Indianapolis. (3)
Moores Hill College, Moores Hill. (3)
Valparaiso University, Valparaiso. (3)
Winona College of Agriculture, Winona Lake. (5)

Iowa
Iowa State College of Agriculture and Mechanic Arts, Ames. (2)
Highland Park College, Des Moines. (3)

Kansas
- Kansas State Agricultural College, Manhattan. (2)
- Hill Agricultural Academy, Downs. (5)

Kentucky
- College of Agriculture of University of Kentucky, Lexington. (2)
- Kentucky Normal and Industrial Institute for Colored Persons, Frankfort. (2)
- Berea College, Berea. (3)

Louisiana
- Louisiana State University and Agricultural and Mechanical College, Baton Rouge. (2)
- Southern University and Agricultural and Mechanical College, Baton Rouge. (2)

Maine
- College of Agriculture of University of Maine, Orono. (2)

Maryland
- Maryland State College of Agriculture, College Park. (2)
- Princess Anne Academy for Colored Persons, Princess Anne. (2)

Massachusetts
- Massachusetts Agricultural College, Amherst. (2)
- Bristol County Agricultural School, Segreganset. (4)
- The Independent Agricultural School of the County of Essex, Hathorne. (4)
- Norfolk County Agricultural School, Walpole. (4)
- Smith's Agricultural School, Northampton. (4)

Michigan
- The Michigan Agricultural College, East Lansing. (2)
- Chippewa County Agricultural School, McCarron. (4)
- Menominee County Agricultural School, Menominee. (4)

Minnesota
- Department of Agriculture of University of Minnesota, St. Paul. (2)
- Northwest School of Agriculture, Crookston. (4)
- West Central School and Station, Morris. (4)

Mississippi
- Mississippi Agricultural and Mechanical College, Agricultural College. (2)
- Alcorn Agricultural and Mechanical College, Alcorn. (2)

Missouri
- College of Agriculture of University of Missouri, Columbia. (2)
- Lincoln Institute, Jefferson City. (2)
- Palmer College, Albany. (3)

Montana
- Montana State College of Agriculture and Mechanic Arts, Bozeman. (2)

Nebraska
- College of Agriculture of University of Nebraska, Lincoln. (2)
- Nebraska School of Agriculture, Curtis. (4)

Nevada
- College of Agriculture of University of Nevada, Reno. (2)

New Hampshire
- New Hampshire College of Agriculture and the Mechanic Arts, Durham. (2)

New Jersey
- State College of Agriculture and Mechanic Arts of Rutgers College and the State University of New Jersey, New Brunswick. (2)
- Baron de Hirsch Agricultural School, Woodbine. (5)

New Mexico
- New Mexico College of Agriculture and Mechanic Arts, State College. (2)

New York
- New York State College of Agriculture of Cornell University, Ithaca. (2)
- Alfred University, Alfred. (3)
- St. Lawrence University, Canton. (3)
- Syracuse University, Syracuse. (3)
- New York State School of Agriculture at Alfred University, Alfred. (4)